Harvard University

THE

MEDICAL SCHOOL

1898-99

ANNOUNCEMENT

OF THE

MEDICAL SCHOOL

(BOSTON)

OF

HARVARD UNIVERSITY

FOR

1898-99

CAMBRIDGE

Published by the University

1898

1898.

JULY.

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MEDICAL SCHOOL CALENDAR.

1898.

Sept. 26, Monday. Examinations for admission.

Sept. 26, Monday. Undergraduate examinations begin.

Sept. 29, Thursday. **Academic Year begins.** Registration of Students.

Nov. 1, Tuesday. Last day for receiving essays for the William H. Thorndike Prize.

Nov. 1, Tuesday. Last day for receiving dissertations for the Bowdoin Prizes.

Nov. 24, Thursday. Thanksgiving Day: a holiday.

Nov. 30, Wednesday. Last day for receiving applications for the Cheever and Hayden Scholarships.

Recess from Dec. 23, 1898, to Jan. 2, 1899, inclusive.

1899.

Jan. 1, Sunday. Last day for receiving dissertations for the Boylston Medical Prizes.

Feb. 1, Wednesday. **Second half-year begins.**

Feb. 22, Wednesday. Washington's Birthday: a holiday.

Recess from April 16 to April 22, inclusive.

April 29, Saturday. Last day for receiving applications from students in the Professional Schools to be qualified for the degree of A.M. in 1899.

May 1, Monday. Last day for receiving dissertations for the Dante, Toppan, and Sumner Prizes.

May 30, Tuesday. Memorial Day: a holiday.

May 31, Wednesday. Last day for receiving applications of candidates for the degree of M.D. in 1899.

June 1, Thursday. Last day for receiving applications for Scholarships for 1899–00 (except the Cheever and Hayden Scholarships).

June 1, Thursday. Examinations in the School begin.

June 28, Wednesday. **Commencement.**

Summer Vacation of Thirteen Weeks, from Commencement to September 28.

June 29, Thursday. Examinations for admission.

Sept. 25, Monday. Examinations for admission.

Sept. 25, Monday. Undergraduate examinations begin.

Sept. 28, Thursday. **Academic Year begins.** Registration of Students.

Nov. 1, Wednesday. Last day for receiving essays for the William H. Thorndike Prize.

Nov. 1, Wednesday. Last day for receiving dissertations for the Bowdoin Prizes.

Nov. 23, Thursday. Thanksgiving Day: a holiday.

Nov. 30, Thursday. Last day for receiving applications for the Cheever and Hayden Scholarships.

THE MEDICAL SCHOOL.

BOSTON.

OFFICE HOURS OF DEAN, TUESDAY AND FRIDAY, 12.15 TO 1 P.M.; OF SECRETARY, MONDAY AND THURSDAY, 12 TO 1 P.M.

The course of study for the degree of M.D. in this School is of four years' duration.

Instruction is given by lectures, recitations, clinical teaching and practical exercises, uniformly distributed throughout the academic year. The year begins on the Thursday following the last Wednesday in September,* and ends on the last Wednesday in June. There is a recess at Christmas, beginning December 23, and ending January 2; and a spring recess of one week in April.

The course of instruction has been greatly enlarged, and is so arranged as to carry the student progressively and systematically from one subject to another, in natural order.

In the subjects of Anatomy, Physiology, Histology, Chemistry, Bacteriology and Pathological Anatomy, laboratory-work is substituted for, or added to, the usual lectures, and is required of every student.

In the courses in the departments of Clinical Medicine, Clinical Surgery and Obstetrics, satisfactory practical clinical work on the part of each student is a requirement for graduation, and opportunity is offered for practical voluntary work in all courses that can be so illustrated with advantage.

At the beginning of the academic year 1892–93 a graded course covering four years was established as the required course of study. The degree of Doctor of Medicine *cum laude* will be given to candidates who have pursued a complete four years' course, and obtained an average of over 75 per cent in the examinations of this course.

A series of written and oral examinations on all the main subjects of medical instruction has been distributed for regular students through their entire course of study. Every candidate for the degree must pass a satisfactory examination in every one of the principal departments of medical instruction, at some time during his period of study.

* That the time of study shall count as a full term, students of every class must present themselves within the first week of the term and register their names with the Secretary.

THE MEDICAL SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., PRESIDENT.

WILLIAM L. RICHARDSON, M.D., DEAN, and *Professor of Obstetrics.*

JAMES C. WHITE, M.D., *Professor of Dermatology.*

OLIVER F. WADSWORTH, M.D., *Williams Professor of Ophthalmology.*

HENRY P. BOWDITCH, M.D., LL.D., D.Sc., *Professor of Physiology.*

CLARENCE J. BLAKE, M.D., *Professor of Otology.*

FRANK W. DRAPER, M.D., *Professor of Legal Medicine.*

CHARLES B. PORTER, M.D., *Professor of Clinical Surgery.*

J. ORNE GREEN, M.D., *Clinical Professor of Otology.*

A. LAWRENCE MASON, M.D., *Associate Professor of Clinical Medicine.*

J. COLLINS WARREN, M.D., LL.D., *Moseley Professor of Surgery.*

REGINALD H. FITZ, M.D., *Hersey Professor of the Theory and Practice of Physic.*

THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*

JAMES J. PUTNAM, M.D., *Professor of Diseases of the Nervous System.*

EDWARD S. WOOD, M.D., *Professor of Chemistry.*

FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*

EDWARD H. BRADFORD, M.D., *Assistant Professor of Orthopedics.*

FRANCIS H. DAVENPORT, M.D., *Assistant Professor of Gynaecology.*

THOMAS M. ROTCH, M.D., *Professor of the Diseases of Children.*

WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*

WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*

WILLIAM T. COUNCILMAN, M.D., *Shattuck Professor of Pathological Anatomy.*

CHARLES S. MINOT, S.D., *Professor of Histology and Human Embryology.*

MAURICE H. RICHARDSON, M.D., *Assistant Professor of Clinical Surgery.*

CHARLES M. GREEN, M.D., *Assistant Professor of Obstetrics*, and *Secretary of the Faculty.*

HERBERT L. BURRELL, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD C. ERNST, M.D., *Professor of Bacteriology.*

CHARLES HARRINGTON, M.D., *Assistant Professor of Hygiene.*
THEOBALD SMITH, M.D., *George Fabyan Professor of Comparative Pathology.*
FRANZ PFAFF, M.D., *Instructor in Pharmacology and Physiological Chemistry.*
WILLIAM T. PORTER, M.D., *Associate Professor of Physiology.*
FRANKLIN DEXTER, M.D., *Assistant Professor of Anatomy.*
FRANK B. MALLORY, M.D., *Assistant Professor of Pathology.*
WILLIAM A. BROOKS, Jr., M.D., *Demonstrator of Anatomy.*

OTHER INSTRUCTORS.

SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*
JOHN H. McCOLLOM, M.D., *Instructor in Contagious Diseases.*
ABNER POST, M.D., *Instructor in Syphilis.*
ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*
EDWARD M. BUCKINGHAM, M.D., *Instructor in Diseases of Children.*
JOHN B. SWIFT, M.D., *Assistant in Gynaecology.*
WILLIAM W. GANNETT, M.D., *Instructor in Clinical Medicine.*
CHARLES F. WITHINGTON, M.D., *Instructor in Clinical Medicine.*
VINCENT Y. BOWDITCH, M.D., *Instructor in Clinical Medicine.*
SAMUEL J. MIXTER, M.D., *Assistant in Operative Surgery.*
GEORGE H. MONKS, M.D., *Instructor in Clinical Surgery*, and *Assistant in Operative Surgery.*
MYLES STANDISH, M.D., *Assistant in Ophthalmology.*
FRANCIS S. WATSON, M.D., *Instructor in Genito-Urinary Surgery.*
HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*
JOHN T. BOWEN, M.D., *Instructor in Dermatology.*
WILLIAM M. CONANT, M.D., *Assistant in Clinical and Operative Surgery.*
GEORGE HAVEN, M.D., *Instructor in Gynaecology.*
HENRY JACKSON, M.D., *Instructor in Clinical Medicine.*
GEORGE G. SEARS, M.D., *Instructor in Clinical Medicine.*
ROBERT W. LOVETT, M.D., *Assistant in Clinical Surgery.*
JOHN C. MUNRO, M.D., *Instructor in Surgery.*
EDWARD REYNOLDS, M.D., *Instructor in Obstetrics*, and *Assistant in Gynaecology.*
FREDERICK E. CHENEY, M.D., *Assistant in Ophthalmology.*
CHARLES L. SCUDDER, M.D., *Assistant in Clinical and Operative Surgery.*
ARTHUR K. STONE, M.D., *Assistant in Bacteriology.*

BENJAMIN TENNEY, M.D., *Instructor in Anatomy.*
EDWIN E. JACK, M.D., *Assistant in Ophthalmology.*
JAMES O. JORDAN, PH.G., *Assistant in Materia Medica.*
PAUL THORNDIKE, M.D., *Assistant in Genito-Urinary and Clinical Surgery.*
GEORGE A. CRAIGIN, M.D., *Assistant in Diseases of Children.*
JAMES G. MUMFORD, M.D., *Assistant in Clinical Surgery.*
EUGENE A. CROCKETT, M.D., *Assistant in Otology.*
EDWIN W. DWIGHT, M.D., *Instructor in Legal Medicine*, and *Assistant in Clinical Surgery.*
FRANK ALBERT HIGGINS, M.D., *Assistant in Obstetrics.*
EDWARD H. NICHOLS, M.D., *Demonstrator of Surgical Pathology*, and *Assistant in Pathology.*
ALFRED L. T. SCHAPER, M.D., *Demonstrator of Histology and Embryology.*
JOHN L. AMES, M.D., *Assistant in Histology.*
JOHN B. BLAKE, M.D., *Assistant in Anatomy.*
AUGUSTUS S. KNIGHT, M.D., *Assistant in Clinical Medicine.*
HOWARD A. LOTHROP, M.D., *Assistant in Anatomy.*
JOHN L. MORSE, M.D., *Assistant in Clinical Medicine.*
ARTHUR H. WENTWORTH, M.D., *Assistant in Pathology and Diseases of Children.*
CARL A. EWALD, M.D., *Assistant in Physiological Chemistry.*
FRED B. LUND, M.D., *Assistant in Anatomy.*
CHARLES A. PORTER, M.D., *Instructor in Surgery.*
EDWARD W. TAYLOR, M.D., *Instructor in Neuropathology.*
JOHN N. COOLIDGE, M.D., *Assistant in Bacteriology.*
J. BERGEN OGDEN, M.D., *Assistant in Chemistry.*
MARK W. RICHARDSON, M.D., *Assistant in Pathology.*
EUGENE A. DARLING, M.D., *Assistant in Bacteriology.*
HENRY F. HEWES, M.D., *Assistant in Chemistry.*
ELLIOTT P. JOSLIN, M.D., *Assistant in Physiological Chemistry.*
CHARLES J. WHITE, M.D., *Assistant in Dermatology.*
JAMES H. WRIGHT, M.D., *Instructor in Pathology.*
PHILIP HAMMOND, M.D., *Assistant in Otology.*
CHARLES F. PAINTER, M.D., *Assistant in Surgical Pathology.*
ALLEN CLEGHORN, M.D., *Assistant in Physiology.*
ROBERT G. LORING, M.D., *Assistant in Anatomy.*
ALBERT MATHEWS, PH.D., *Assistant in Physiology.*
FRANKLIN S. NEWELL, M.D., *Assistant in Obstetrics.*
FRANK RAYMOND STUBBS, M.D., *Assistant in Histology and Embryology.*
ERNEST B. YOUNG, M.D., *Assistant in Anatomy.*

ROGER T. ATKINSON, M.D., *Assistant in Histology and Embryology.*
ALFRED W. BALCH, M.D., *Assistant in Pharmacology.*
HARRIS KENNEDY, M.D., *Assistant in Physiology.*
GEORGE B. MAGRATH, M.D., *Assistant in Pathology.*
FREDERICK A. WOODS, M.D., *Assistant in Histology.*

The following gentlemen will give special clinical instruction: —

JOHN HOMANS, M.D., *in the Diagnosis and Treatment of Ovarian Tumors.*
EDWARD COWLES, M.D., LL.D., and EDWARD B. LANE, M.D., *in Mental Diseases.*
GEORGE W. GAY, M.D., and H. H. A. BEACH, M.D., *in Surgery.*
GEORGE L. WALTON, M.D., and PHILIP C. KNAPP, M.D., *in Diseases of the Nervous System.*
THOMAS A. DE BLOIS, M.D., JOHN W. FARLOW, M.D., and ALGERNON COOLIDGE, JR., M.D., *in Laryngology.*

Standing Committees.

OFFICE HOURS: *Dean*, Tu. and Fri. 12.15–1 P.M. *Secretary*, Mon. and Thurs. 12–1 P.M.

Executive Committee. — The Dean (*Chairman*), and Drs. Bradford, C. M. Green, W. T. Porter, and Mallory.

Advertising and Catalogue. — Dr. Wood (*Chairman*), and Drs. Whitney and Mallory.

Admission Examinations. — Dr. Blake (*Chairman*), and Drs. Davenport, Hills, Whitney, Ernst, and Harrington.

Course of Study. — Dr. Fitz (*Chairman*), and Drs. Bowditch, Draper, C. B. Porter, W. L. Richardson, Dwight, and Shattuck.

Nominations. — Dr. Burrell (*Chairman*), and Drs. Putnam, Rotch, Harrington, and Brooks.

Building. — Dr. Wood (*Chairman*), and Drs. W. L. Richardson and Whitney.

Library. — Dr. Bowditch (*Chairman*), and Drs. Fitz, Dwight, Bradford, Hills, and Minot.

Graduate Courses. — Dr. Wadsworth (*Chairman*), and Drs. Bradford, Burrell, Smith, and Dexter.

Summer Courses. — Dr. Draper (*Chairman*), and Drs. J. O. Green and J. J. Putnam.

Bullard Fellowships. — Dr. Bowditch (*Chairman*), and Drs. Dwight, Councilman, Minot, Ernst, and Smith.

Applications to Teach. — Dr. Bradford (*Chairman*), and Drs. Fitz, and W. T. Porter.

Warren Museum. — Dr. Warren (*Chairman*), and Drs. Whitney, Councilman, W. T. Porter, and Dexter.

THE MEDICAL SCHOOL.

ADMISSION OF STUDENTS.

All candidates for admission to this School must (with the exceptions hereinafter stated) pass examinations in the following subjects: —

1. English.
2. Latin.
3. Physics.
4. General Chemistry.
5. Qualitative Analysis.
6. Either French or German.
7. Either Algebra, Plane Geometry, or Botany.

1. English. The candidate will be required to write a short composition on one of several subjects announced at the time of the examination. In 1899 the subjects will be drawn from one or more of the following works:

Milton's Paradise Lost, Books I and II; Pope's Iliad, Books I and XXII; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Southey's Life of Nelson; Carlyle's Essay on Burns; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

Every candidate is expected to have read intelligently all the books prescribed. The English written by a candidate in any of his examination books will be regarded as part of his examination in English, in case the evidence afforded by the examination book in English is insufficient. The candidate will also be required to correct specimens of bad English.

2. Latin. The translation at sight of simple Latin prose.

3. Physics. Each candidate will be required (1) to pass a written examination based upon questions contained in Gage's Elements of Physics, or (2) to hand in an original note-book recording the steps and results of experiments, not less than forty in number, performed at school by the student. These experiments must be selected from a list issued by the University under the title "A Descriptive List of Elementary Exercises in Physics.*

The note-book must bear the endorsement of the teacher, certifying that the notes are a true record of the pupil's work.

* This list can be procured (price 40 cents) of the branch of the Harvard Coöperative Society, in the School Building, or it will be sent, post-paid, on receipt of price by the Publication Agent of Harvard University, 2 University Hall, Cambridge, Mass.

4 and 5. Chemistry. Theoretical and Descriptive (Inorganic) Chemistry and Qualitative Analysis.

a. Each candidate is required to pass a written examination in Theoretical and Descriptive (Inorganic) Chemistry.

b. Each candidate will be required to hand in, at the hour of the written examination in Chemistry, the original note-book in which he recorded the work performed by him at school in Qualitative Analysis. This note-book must give evidence that the student has had practice in the analysis of solutions and solids containing several salts and must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's laboratory work.

6. French and German. The translation at sight of ordinary easy prose is the chief feature of these examinations.

7. Algebra, Plane Geometry and Botany. The examination in Algebra will extend through quadratic equations.

The examinations in Plane Geometry and Botany will be elementary.

A certificate of having passed the entrance examinations will admit a student to this school only so long as the entrance requirements remain unchanged.

When a candidate shall give evidence of having passed a satisfactory examination in any of the above requirements either at Harvard College or at the Lawrence Scientific School, a subsequent examination in such subject or subjects will not be demanded for his admission to the Medical School.

Candidates who present a degree in Letters, Science, or Medicine, from a recognized college or scientific school are exempt from all the above examinations, with the exception of Chemistry.*

Candidates may be admitted conditionally in spite of deficiencies in some of the studies; but, until these conditions are made up, no student will be permitted to take part in any exercises of the third class, or to present himself for examination in the subjects of that class.

Applicants for admission to the Medical School who have studied three years in recognized colleges, technical or scientific schools, in which courses in Human Anatomy, Physiology, Histology, and General Chemistry are a part of the instruction, may be admitted to advanced standing provided they pass an examination in these subjects.

* The Summer Courses of Instruction in the fundamental principles of Chemistry and in Qualitative Analysis given at Harvard College, and the Summer Course in General Chemistry and Qualitative Analysis given at the Medical School, are adapted to students about to enter the Medical School.

Students conditioned in Chemistry at the examination for admission will be furnished, during the first year, with opportunities for making up this condition. A special fee of twenty dollars will be charged for this course.

The examinations will be held at the Medical School (688 Boylston St., Boston), and will be conducted in writing. Specimen examination papers will be found in the Medical School Catalogue.

In and after June, 1901, candidates for admission must present a degree in Arts, Literature, Philosophy, Science or Medicine from a recognized college or scientific school, with the exception of such persons, of suitable age and attainments, as may be admitted by a special vote of the Faculty in each case.

All candidates, whether presenting a degree or not, are required to satisfy the Faculty that they have had a course in Theoretical and Descriptive (Inorganic) Chemistry and Qualitative Analysis sufficient to fit them to pursue the courses in Chemistry given at the Medical School.

The examinations for admission are held on the Thursday following the last Wednesday in June, and on the Monday preceding the last Wednesday in September, as follows:—

9–10 A.M. Latin.
10.15–11.15 A.M. Physics.
11.30 A.M.–12.30 P.M. English.
12.45–1.45 P.M. Chemistry.
2.45–3.45 P.M. French *or* German.
4–5 P.M. Electives (Algebra, Botany, Geometry).

In 1899 the *examinations for admission* will ALSO be held probably at the following places, beginning at 9 A.M. on Thursday, June 29, at the same hours. Candidates wishing to be examined in any place outside of Boston must give notice not later than June 10:—

In *Quincy*, in the rooms of the Adams Academy.
In *Andover*, in the rooms of the Phillips Academy.
In *Groton*, in the rooms of Groton School.
In *Southborough*, in the rooms of St. Mark's School.
In *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street.
In *Springfield*, in the rooms of the Springfield High School.
In *South Byfield*, in the rooms of the Dummer Academy.
In *Exeter*, *N. H.*, in the rooms of Phillips Exeter Academy.
In *Concord*, *N. H.*, in the rooms of St. Paul's School.
In *Portland*, *Me.*, in the rooms of the Portland High School.
In *Pomfret Centre*, *Conn.*, in the rooms of the Pomfret School.
In *Lakeville*, *Conn.*, in the rooms of the Hotchkiss School.
In *Washington*, *Conn.*, in the rooms of The Gunnery.

In *New York*, *N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue.

In *Garden City*, *N. Y.*, in the rooms of St. Paul's Cathedral School.

In *Albany*, *N. Y.*, in the rooms of the Young Men's Christian Association.

In *Buffalo*, *N. Y.*, in the High School building, corner of Court and Franklin Streets.

In *Lawrenceville*, *N. J.*, in the rooms of the Lawrenceville School.

In *Philadelphia*, *Pa.*, in the rooms of the Young Men's Christian Association Building, corner of Fifteenth and Chestnut Streets.

In *Pottstown*, *Pa.*, in the rooms of the Hill School.

In *Washington*, *D. C.*, in the rooms of the Columbian University, corner of Fifteenth and H Streets.

In *Louisville*, *Ky.*, in the rooms of the Young Men's Christian Association, Broadway, corner of Fourth Street.

In *Cleveland*, *O.*, in the rooms of the Central High School.

In *Cincinnati*, *O.*, in the rooms of the Young Men's Christian Association.

In *Youngstown*, *O.*

In *Indianapolis*, *Ind.*, in the rooms of the Young Men's Christian Association, 33 N. Illinois Street.

In *Chicago*, *Ill.*, in the Assembly Room of the Board of Education, 103–109 Randolph Street.

In *Minneapolis*, *Minn.*, in the Public Library building, corner of Hennepin Avenue and Tenth Street.

In *St. Louis*, *Mo.*, in the Board of Education building, corner of Ninth and Locust Streets.

In *Kansas City*, *Mo.*, in the Association Building, 810 Wyandotte St.

In *Milwaukee*, *Wis.*, in the Young Men's Christian Association Building, 147 Fourth Street.

In *Omaha*, *Neb.*, in the rooms of the Young Men's Christian Association.

In *Denver*, *Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets.

In *San Francisco*, *Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street.

In *Belmont*, *Cal.*, in the rooms of the Belmont School.

In *Passadena*, *Cal.*

In *Portland*, *Oregon*, in the lecture-room of the Portland Library.

In *Bonn*, *Germany*, at the Hotel Kley.

METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — Lectures; various practical exercises, including abundant dissection, under the direction of the Demonstrator; recitations and demonstrations. In the first year there is a recitation at the beginning of the week on the subject-matter of the lectures of the preceding week. The means and methods of illustrating the anatomical lectures are probably unrivalled in this country. The system of demonstrations to small sections has been greatly extended. In the second year much use is made of frozen sections and of the living model. In the fourth year there is an elective course in the dissecting room. The Assistant Professor will furnish the details upon application.

Histology and Embryology. — Lectures and laboratory work. Every student is recommended to purchase a microscope, but microscopes are provided for those whose means do not enable them to buy one, for the sum of three dollars for each term. An elective course in embryology is given to fourth year students during the second term. Accommodations are furnished for those students who wish to pursue special or advanced courses. Special facilities are offered to original investigators. A special course in vertebrate embryology is given; this has been accepted by the Faculty of Arts and Sciences, and is open to students of the academic departments.

Physiology. — A systematic course of lectures with demonstrations covers the subject of general physiology. A recitation once a week by the Professor of Physiology serves to emphasize the cardinal points in the lectures. A laboratory course is given in experimental physiology in which each student makes more than one hundred experiments, working out for himself the chief facts in the physiology of nerve and muscle, the action of the cardiac nerves, the functions of the main divisions of the central nervous system, etc., etc. During the second term, the entire class meets once a week in conference to discuss theses in physiology, prepared by members of the class from the original sources. This exercise has great value in emancipating the student from the text-book and accustoming him to form independent judgments. Properly qualified students are encouraged to make investigations in the laboratory and may there be trained in the principles of research.

Chemistry is taught mainly by practical work in the laboratory, each student having his own desk and apparatus. The first year, Physiological Chemistry is taught by lectures, recitations, and exercises in the

DIVISION OF STUDIES.

For the First Year.	For the Second Year.	For the Third Year.	For the Fourth Year.	Electives.
Anatomy. 2	*Anatomy.* 2	*Theory* and *Practice.* 3	*Clinical Medicine.* 3	Ophthalmology. 2
Physiology. 3	*Pathology* and *Pathol. Anatomy.* 2	*Surgery.* 3	*Clinical Surgery.* 2	Otology. 2
**Histol.* and *Embryol.* 1	*Clinical Chemistry.* 2	*Obstetrics.* 3	**Ophthalmology.* 1	Orthopedics. 2
Physiological Chemistry. 1½	*Materia Medica* and *Therapeutics.* 2	*Pediatrics.* 2	**Otology.* 1	Gynaecology. 2
Bacteriology. 1	Theory and Practice.	*Dermatology.* 1	**Laryngology.* 1	Dermatology. 2
	Clinical Medicine.	*Neurology.* 1	**Orthopedics.* 1	Neurology. 2
	Surg. and Clin. Surg.	*Gynaecology.* 1	**Legal Medicine.* 1	*Bacteriology. 1
		Mental Diseases. 1	**Syphilis.* 1	Anatomy. 1
		Clinical Medicine.	*Hygiene.* 1	Embryology. 1
		Clinical Surgery.	Clinical Microscopy.	Physiology. 1
			Genito-urinary Surg.	Clinical Chemistry. 1
			Ovarian Tumors.	Oper. Surgery. 1
			Mental Diseases.	*Oper. Obstetrics. 1
			Municipal Sanitation.	Clinical Microscopy. 1
			Cookery.	Hygiene. 1
				Physiological Chemistry. 2
				Histology of the Nervous System. 1
				Advanced Histology. 1
				Comparative Etiology of Infectious Diseases. 1

Note: — Subjects in which an examination is required are in italics. The number following name of examination indicates the length in hours of the examination. In the Fourth year, electives must be chosen whose examinations shall aggregate three hours.

* Examination in February.

laboratory, where each student is taught the chemistry of the carbohydrates, proteids and fats, the chemistry of digestion, and other physiological processes, the chemistry and microscopy of the urine and the tests for the important poisons. During the second year the instruction is chiefly clinical in character. The class is divided into small sections and each student thoroughly drilled in the diagnosis of kidney and other diseases from the examination of pathological urines obtained daily from the Hospitals. Practical instruction is also given to the class in sections in the clinical examination of the blood and gastric contents. During the second year also the students are taught the medico-legal examination of blood and other stains, the analysis of pathological concretions and fluids, and clinical toxicology.

Pathology is taught by lectures, demonstrations, postmortem examinations and practical laboratory work in pathological histology.

1. The lectures are devoted chiefly to general pathology, namely the various processes of disease, the general and special causes under which they are produced, and the effects which they exert on the functions of the body. The abundant collection of morbid specimens in the Warren Museum and fresh material from postmortem examinations are used to illustrate the lectures.

2. Demonstrations are given of fresh specimens derived both from postmortem examinations and from surgical operations, and the relations of pathological conditions to the clinical phenomena of disease are dwelt upon.

3. Recitations are held weekly, chiefly on the subject matter of the lectures, but also on special topics which the students are required to study in text books. The main object of the recitations is to make clear those subjects which the students seem not to have comprehended perfectly.

4. Postmortem Examinations. The class in sections is required to attend a certain number of autopsies at the Massachusetts General and Boston City Hospitals, where instruction is given in the methods of making postmortem examinations. Demonstrations are also made of the gross pathological lesions present, some of which it is impossible to preserve for the ordinary demonstrations, and attention is called to the relation of the various lesions to each other. At these exercises attention is also paid to the clinical phenomena which the cases presented.

5. Laboratory Work in Pathological Histology. The entire class is required to attend two exercises a week of two hours each from Oct. 1 to Mar. 1. A systematic course is given in the histology of general pathological processes, namely degenerations, inflammation, repair, proliferative processes and new growths. Each general process is illustrated by a large number of specimens from various organs. A printed description of the

lesions to be studied is prepared for each exercise and a copy given to each student.

6. The instruction in pathology is further amplified by a series of lectures, fully illustrated by means of a projection apparatus, on the lesions of the central nervous system. In these lectures the lesions are considered in connection with the course of the nerve fibres and the special histological features of the central nervous system.

Comparative Pathology. — Instruction is given by means of lectures upon selected subjects. The laboratory is open from October to June to a limited number of qualified students for original research. Special attention will be paid for the present to problems in the comparative etiology of infectious diseases.

Therapeutics and Materia Medica are taught by lectures and recitations with exhibition of medicines and pharmaceutical processes and demonstrations of the physiological action of drugs. Besides the large and complete cabinet of materia medica in the Museum, a collection of official drugs and chemicals, and of all the important preparations, is placed where it can be seen by the students at any time.

The lectures are supplemented by a course in practical pharmacy in which the compounding of prescriptions is illustrated.

In addition to the lectures on therapeutics, the practical relation of remedies to diseased conditions is also particularly dwelt upon in the exercises in the departments of Clinical Medicine and Theory and Practice.

Experimental Pharmacology and Therapeutics. — A special laboratory has been equipped for original research in these subjects. Here an opportunity is offered for practical training and instruction in the methods and use of the special apparatus employed in determining the toxic and physiological action of drugs and their practical value as remedies. This is open to a limited number of duly qualified undergraduates.

The Theory and Practice of Medicine. — At the Medical School lectures on selected topics are given to the third class, and systematic recitations on the general subject are held for the second class. Clinical lectures in which the students take an active part, also opportunities for bedside visits and for the examination of ambulatory patients and for discussion of the conclusions reached, are given to the third class, and demonstrations of illustrative cases are made to the second class at the Massachusetts General Hospital.

Clinical Medicine. — Daily instruction is given in this department by clinical lectures, hospital visits, and other exercises. The teaching for the second, third and fourth years is graded and separate for each year, except that students of the fourth class are allowed to attend the clinical lectures given for the third class, if they wish.

In the first half of the *second* year Auscultation and Percussion are taught in small divisions, each student having two exercises a week for four months. In the second half-year ward visits in the Massachusetts General and City Hospitals, also in small divisions, take the place of this. Opportunities are thus afforded all students to extend and to verify the knowledge already gained.

Throughout the year twice a week the class as a whole has clinical instruction in case-taking, diagnostic methods and diagnosis.

In the *third* year the teaching is more advanced, includes therapeutics, and comprises four clinical exercises a week in the amphitheatre and hospital wards. So large is the amount of material that during the year a wide range of diseases is practically illustrated, and many even of the rarer affections are shown by several examples.

In the *fourth* year two clinics a week are held for the whole class, and special attention is given to Clinical Therapeutics.

Conferences also are held during this year. A case is assigned each student, who is required to work it up thoroughly and write out in full the history, physical examination, differential diagnosis and treatment. From these papers selections are made, and one is read weekly before the class and the teachers in the department. A full discussion is encouraged. It is also required that dispensary cases be taken by each student, who shall watch the cases, guide their treatment, and write brief reports upon them. This work is under the supervision of one of the assistants in the department.

In the second half-year full opportunity is afforded each student, the class being divided into sections of ten each for this purpose, to become practically familiar with diphtheria, scarlet fever, and measles, their diagnosis, course, and treatment. This exceptional opportunity is rendered possible by the opening of the new "South" or Contagious Department of the City Hospital, accommodating two hundred and fifty patients.

In the second half-year there is also a weekly exercise in diagnosis for the whole class. Several students are assigned a case at each exercise, report upon it and are criticised by the instructor in charge.

Surgery. — Instruction is given by systematic lectures, recitations, demonstrations at clinics, and laboratory exercises. In the *second* year, during the first term, there are two recitations a week at the Massachusetts General Hospital on Surgical Pathology, and in the second term there are two exercises a week in a laboratory course on this subject. This will include the healing of wounds and fractures, the diseases of the bones and joints, and special pathology which is of surgical importance. In connection with this a series of clinical demonstrations is given at the Boston City Hospital, illustrating these lesions.

During the first term, exercises on the application of surgical apparatus and bandaging are given to the class, in sections, in the laboratory. The mechanical treatment of each variety of fracture is illustrated and the student himself applies the apparatus. The different forms of bandages, including all fixed protective dressings in which silicate of potash, dextrine and plaster of Paris are employed, are applied by each student under critical supervision. The apparatus used in the preparation of surgical dressings is explained in detail.

In the *third* year, during both terms, two systematic lectures a week are given at the Medical School, every fourth exercise being a recitation. One or two clinical demonstrations a week are given at the hospitals in connection with these lectures. Each student is required to make a written report upon a case of fracture which he personally examines and the treatment of which he follows until the patient is convalescent.

In the *fourth* year a course of systematic lectures is given on Ovarian Tumors. Instruction is given in Orthopedic Surgery by lectures at The Children's Hospital and at the Medical School, with clinical quizzes to small sections. An elective course, with clinical exercises, is also given at The Children's Hospital.

Genito-urinary Surgery is taught by lectures at the Medical School and by clinical demonstrations at the Boston City Hospital.

Opportunity is given to see all kinds of surgical operations.

Clinical Surgery. — Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital, to the third class, as follows: —

One clinical conference, two visits in the hospital wards, and two public operating days.

At the conference a student of the third class presents an elaborate and carefully prepared paper on a surgical case which has been assigned him in the hospital wards. This paper he is obliged to read in the amphitheatre of the Hospital before the whole class, and defend it from their criticism. At the close of the exercise the Professor of Clinical Surgery gives a résumé of the case and his opinions upon it. The students of the second class attend these exercises preparatory to their active participation in them in their third year. The written report of an additional case in Clinical Surgery is also required.

Daily clinics are given to the class in small sections in the out-patient department of the Massachusetts General Hospital and the City Hospital, in which the students are brought into personal contact with the patients, have practical exercises in the application of bandages and apparatus, and see a large number of cases of minor surgery, and fractures and dislocations above the waist.

The exercises for the fourth class consist of one hour throughout the year in surgical diagnosis at the bed-side; two clinical lectures each week during both terms, one at the Massachusetts General Hospital, and one at the Boston City Hospital; an evening visit in sections at the Massachusetts General Hospital Accident Room to see emergencies and accidents.

A course of two hours the first half of the year on surgical anatomy with special reference to its clinical application, and eight exercises in October on surgical land-marks, are given.

Operative Surgery. — A course illustrating all the classic and many of the modern operations in surgery is given by the Professor of Clinical Surgery to the third and fourth classes. As an elective for the fourth class these operations are repeated on the cadaver by the students under the direct supervision of the Professor and a corps of assistants.

Obstetrics. — Instruction in this department is given by lectures, recitations, conferences and clinical teaching. Students are required to take charge of at least six cases of labor, to receive clinical instruction on at least one of them, to care for their patients during the convalescence, and to make full written reports of the cases. Many of these reports are read at the conferences and discussed by the class and the instructors. A course on operative obstetrics, with practical illustrations on the cadaver and manikin, is given during the first half-year.

Dermatology. — A combined sytematic and clinical course extending throughout the year is given to the third class. In the fourth year the instruction is clinical and elective. The out-patient department at the Massachusetts General Hospital furnishes ample means for illustration. Special laboratory courses will also be given on pathological histology and parasitism, and the methods of research employed.

Gynaecology. — Instruction in this department extends throughout the third and fourth years. During the third year there are lectures, recitations and clinical instruction at the City Hospital and Boston Dispensary. The large out-patient departments of these institutions are utilized to accustom the student to the methods of examination, the perfection of diagnosis, and the simpler forms of treatment.

The instruction in the fourth year is more advanced. Clinical and operative instruction is given in the wards of the City Hospital. Cases are assigned to the students for personal examination, which are reported in full at the conference, and are discussed by members of the class and the instructors.

Diseases of Children. — The instruction in this department consists of a course of systematic and clinical lectures, recitations and conferences. Opportunities are also given for seeing special cases at the Boston Dispensary, where the students are required to examine the children and

report their examinations in writing. During the months of October, November, December, and January the class receives instruction three times a week in the contagious wards of the City Hospital; and each student is required to make to the Professor a written report of the cases which he sees.

Ophthalmology. — Instruction consists of lectures at the Medical School and clinical demonstrations at the Massachusetts Charitable Eye and Ear Infirmary and Boston City Hospital.

Syphilis. — Lectures and clinical instruction are given at the Boston Dispensary.

Otology. — Lectures and clinical instruction are given at the Massachusetts Charitable Eye and Ear Infirmary, and at the Boston City Hospital.

Diseases of the Throat and Nose. — Instruction in this department consists of lectures, demonstrations, and training in the use of instruments. The class is divided into small sections, and the practical work is conducted in the clinics at the Massachusetts General Hospital, the Boston City Hospital, and the Boston Dispensary.

The class as a whole also has one lecture a week during the first half of the fourth year.

Diseases of the Nervous System. — During the first term of the third year a weekly lecture and during the second term two lectures a week will be given at the Massachusetts General Hospital, illustrated by cases from the large and excellent out-patient service, and from the medical and surgical wards of the hospital. In addition to this the students will be given opportunity of studying cases outside the lecture hours, and reporting upon them, and also of attending extra courses of lectures upon special pathology of the nervous system. In the fourth year, each student may have three hours of instruction a week, directed by the head of the department, and by three special clinical instructors, and during this course he will have access to the material furnished by the Massachusetts General Hospital.

Attention is also called to the fact that special instruction in the pathological anatomy of the nervous system is given during the second year.

Mental Diseases. — Systematic lectures are given at the Medical School during the second half-year to the third class. Clinical instruction during second term is given to the fourth class at the new McLean Hospital at Waverley, at Boston Insane Hospital, and also at Pierce and Austin Farms.

Legal Medicine. — Instruction consists of lectures and medico-legal demonstrations and extends through the first half of the fourth year.

Hygiene. — During the fourth year instruction consists of lectures and demonstrations. The elective laboratory course is open to specially

qualified students who may be desirous of undertaking special research or of acquiring a practical knowledge of the analysis of foods, water, air, soils, etc., etc.

Bacteriology. — The instruction in Bacteriology during the first year consists of lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work.

In the laboratory, each student becomes familiar with the simple methods of manipulation and staining which are of special clinical use. The elective course in the fourth year is mainly practical, and opportunities for special investigation will be offered such students as can spend the necessary time in the laboratory.

Clinical Microscopy. — The instruction is given to the fourth class throughout the year; that during the second half covers the elective requirement. It is entirely practical in character covering the examination of specimens from autopsies, tumors, curettings, etc., with especial reference to their microscopic examination in the fresh condition.

Warren Museum. — The collection has about nine thousand specimens illustrating both normal and pathological anatomy and materia medica. These are placed in the hands of the student at any time during the day upon application to the Curator.

TEXT-BOOKS.

The last editions of the following works are recommended as text-books, and for collateral reading and consultation: —

Anatomy.

Text-Books. — Gray. Morris. Quain. Wilson. Holden's Landmarks. Dwight's Frozen Sections of a Child. Treves' Applied Anatomy. Dexter's Anatomy of the Peritoneum.

Collateral Reading. — Harrison Allen's Anatomy. Testut, Anatomie Humaine. Tillaux, Anatomie topographique. Holden's Osteology. Humphry's Human Skeleton. Morris, on the Joints. Weisse's Practical Human Anatomy. McClellan's Regional Anatomy.

Histology and Embryology.

Text-Books. — Stöhr's Manual of Histology, Piersol's Histology, or Schaefer's Essentials of Histology.

Collateral Reading. — Quain's Anatomy. Lee's Microtomist's Vademecum, Kölliker's Gewebelehre, 6th edition. Minot's Human Embryology. Marshall's Vertebrate Embryology.

Physiology.

Text-Books. — Foster's Text-book of Physiology. American Text-book of Physiology. Waller, Human Physiology.

Collateral Reading. — Hermann's Lehrbuch der Physiologie. Kirke's Handbook of Physiology. Fick, Compendium der Physiologie. Halliburton's Text-book of Chemical Physiology and Pathology. McGregor-Robertson's Elements of Physiological Physics. Landois' Manual of Human Physiology. Stirling's Practical Physiology. Gamgee, Physiological Chemistry of the Animal Body.

Chemistry.

Text-Books. — Tyson, Practical Examination of Urine. Wharton and Stillé's Medical Jurisprudence, Vol. II., on Poisons.

Collateral Reading. — Ultzmann and Hoffmann's Atlas der Harnsedimente. Roberts' Urinary and Renal Diseases. Purdy's Practical Uranalysis and Urinary Diagnosis. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons. Halliburton's Essentials of Chemical Physiology. Lea's Chemical Basis of the Animal Body (appendix to Foster's Text-book of Physiology). Hammarsten's Physiological Chemistry. Vaughan and Novy's Ptomaines and Leucomaines.

Hygiene.

Text-Book. — Wilson's Handbook of Hygiene.

Bacteriology.

Text-Books. — Abbott. MacFarland.

Collateral Reading. — Sternberg. Heim.

Therapeutics and Materia Medica.

Text-Books. — Hare's Practical Therapeutics. White's Materia Medica and Therapeutics. National Dispensatory.

Collateral Reading. — H. C. Wood's Therapeutics. Brunton's Pharmacology, Therapeutics, and Materia Medica.

Pathology and Pathological Anatomy.

Text-Books. — Ziegler's General and Special Pathology. Mallory and Wright, Pathological Technique.

Collateral Reading. — Thoma, Pathologische Anatomie. Orth, Pathologische Anatomie; Diagnostik. Ribbert, Pathologische Histologie.

Obstetrics.

Text-Books. — Lusk's Manual of Midwifery.

Collateral Reading. — Reynolds' Practical Midwifery. Schroeder's Manual of Midwifery. Winckel's Diseases of Childbed. Schauta's Grundriss der operativen Geburtshilfe. Kucher's Puerperal Convalescence.

Theory and Practice.

Text-Books. — Wood and Fitz, Practice of Medicine. Osler's Practice of Medicine. Tyson's Practice of Medicine. Strümpell's Text-Book of

Medicine. Pepper's Text-Book of the Theory and Practice of Medicine by American Teachers.

Collateral Reading. — Pepper's System of Practical Medicine by American Authors. Loomis-Thompson, American System of Practical Medicine. Allbutt's System of Medicine. Eulenburg's Real-Encyclopädie der gesammten Heilkunde.

Clinical Medicine.

Text-Books. — Osler's Practice of Medicine. Tyson's Practice of Medicine. Strümpell's Text-Book of Medicine. Wood and Fitz, Practice of Medicine. Musser's Medical Diagnosis. Flint's Manual of Percussion and Auscultation. Tyson's Physical Diagnosis.

Collateral Reading. — Allbutts' System of Medicine. Pepper's System of Practical Medicine by American Authors. Twentieth Century Practice of Medicine. Fagge and Pye-Smith's Practice of Medicine. Gowers's Diseases of the Nervous System.

Surgery.

Text-Books. — An American Text-Book of Surgery. Warren's Surgical Pathology.

Collateral Reading. — Cheever's Lectures on Surgery. Dennis' System of Surgery. Roswell Park's Surgery. Greig Smith's Abdominal Surgery. Stephen Smith's Operative Surgery. Morrow's System of Genito-Urinary Diseases. Treve's Manual of Operative Surgery. DaCosta's Manual of Modern Surgery. Waring's Manual of Operative Surgery.

Dermatology and Syphilis.

Collateral Reading. — Duhring, Hyde, Robinson, Crocker, Kaposi, v. Ziemssen, Besnier, Van Harlingen, Jackson, Taylor.

Gynaecology.

Text-Books. — Garrigues' Diseases of Women.

Collateral Reading. — Keating and Coe's Clinical Gynaecology. Thomas and Mundé's Diseases of Women. Skene's Diseases of Women. Davenport on Diseases of Women. Pozzi's Treatise on Gynaecology (American edition). Winckel's Diseases of Women. Emmet's Principles and Practice.

Pediatrics.

Text-Book. — Rotch's Pediatrics.

Collateral Reading. — Keating's Cyclopaedia of the Diseases of Children. Northrup's American Edition of The Diseases of Children by Ashby and Wright. Jacobi's Therapeutics of Infancy and Childhood. Holt's Diseases of Infancy and Childhood.

Ophthalmology.

Text-Books. — Schweinitz, Fuchs, Swanzy, Williams.

Collateral reading. — Loring, on the Ophthalmoscope. Landolt, on Refraction and Accommodation. Noyes. Norris and Oliver.

Otology.

Text-Books. — Politzer, by Dalby. Hovell, Diseases of the Ear and Naso-Pharynx and Ear.

Collateral Reading. — Schwartze, Handbuch der Ohrenheilkunde. Buck's Manual of Diseases of the Ear.

Neurology.

Text-Books. — Gowers' Diseases of the Nervous System. Dana's Text-Book of Nervous Diseases. Gray's Mental and Nervous Diseases. Herter's Manual of Diagnosis of Nervous Diseases. Sach's Nervous Diseases of Children. Mills' Diseases of the Nervous System.

Mental Diseases.

Text-Books. — Clouston. Folsom's Monograph in Pepper's System of Medicine. Regis. Chapin.

Collateral Reading. — J. Bevan Lewis. Spitzka. Tuke's Dictionary of Psychiatric Medicine. Kraepelin, Psychiatrie. Hyslop, Mental Physiology. James, Psychology.

Legal Medicine.

Text-Books. — Taylor's Manual of Medical Jurisprudence.

Collateral Reading. — Witthaus and Becker.

Clinical Microscopy.

Simon's Manual of Clinical Diagnosis.

INSTRUCTION FOR 1898–99.

Anatomy.

Anatomy. (*First Year.*) *Four times a week till January. Three times a week in January.* Professor Dwight. *Twice a week after November.* Assistant Professor Dexter. Recitations. *Once a week.* Dr. Tenney.

Practical Anatomy, with exercises in Dissection. *Eight hours daily from October 15th till May, in sections.* Demonstrations. Drs. Brooks, Tenney, Lund, J. B. Blake, Lothrop, and Warren.

Anatomy. (*Second year.*) *Twice a week till Janury.* Assistant Professor Dexter. *Three times a week in second term.* Professor Dwight.

Anatomy. (*Fourth year.*) An elective course. Asst. Professor Dexter.

Histology and Embryology.

Histology. — Lectures. *Once a week during the first half-year.* Professor Minot. Laboratory exercises. *Twice a week during the first half-year.* Professor Minot, Drs. Quincy, Schaper, Gregory, and Ames.

Embryology, Advanced Histology, and Histology of the Nervous System. Fourth year electives. Lectures and laboratory exercises. *During second half-year.* Professor Minot and Dr. Schaper.

Bacteriology.

Eighteen lectures in second half-year. Professor Ernst.

Practical laboratory work. *Eighteen hours for each student in the second half-year.* Professor Ernst.

Advanced Bacteriology. Fourth year elective. Lectures and laboratory work. *Six times a week till Janury.*

Physiology.

Systematic and Experimental Physiology. *Four times a week during first half-year. Six times a week during second half-year.* Professors Bowditch and W. T. Porter.

Laboratory exercises in Experimental Physiology. *Three times a week in sections.* Assistant Professor Porter.

Advanced Physiology. Fourth year elective. *Twice a week.* Professors Bowditch and Porter.

Chemistry.

Physiological Chemistry. *Twice a week during the first half-year. Once a week during second half-year.* Professor Hills. Fourth year elective. *Two half-days a week.* Dr. Pfaff.

Clinical Chemistry. *Twice a week.* Professor Wood.

Advanced Chemistry. Fourth year elective. *Twice a week.* Professor Wood and Drs. Ogden and Hewes.

Practical exercises in the laboratory. *Daily.* Professors Wood and Hills, and Drs. Ogden, Hewes, Ewald, and Joslin.

Therapeutics and Materia Medica.

Lectures, demonstrations and recitations. *Twice a week.* Dr. Pfaff.

Voluntary laboratory work. Mr. Jordan.

Pathology and Pathological Anatomy.

General Pathology and Pathological Anatomy. *Twice a week.* Professor Councilman.

Special Pathological Anatomy, with demonstrations and recitations. *Twice a week.* Professor Councilman and Asst. Professor Mallory.

Laboratory exercises in Pathological Histology. *Twice a week until March.* Asst. Professor MALLORY, and Drs. WRIGHT, NICHOLS, MAGRATH, WENTWORTH and RICHARDSON.

Practical instruction in performing Autopsies. *Throughout the year.* Asst. Professor MALLORY, and Dr. WRIGHT.

Surgery.

SECOND YEAR.

Application of bandages and apparatus, and laboratory exercises, to the class in sections. *During the first term.* Drs. MUNRO and C. A. PORTER.

Recitations in Surgical Pathology. *Twice a week during the first term.* Dr. C. A. PORTER.

Laboratory course in Surgical Pathology, and occasional clinical demonstrations at the Hospitals. *Twice a week during the second term.* Asst. Professor BURRELL and Dr. NICHOLS.

THIRD YEAR.

Lectures and recitations. *Three times a week at the School and at the Hospitals throughout the year.* Professor WARREN and Asst. Professor BURRELL.

Orthopedic Surgery.

Required Course. Lectures. *Once a week for four months.* Medical School and Children's Hospital.

Clinical Quizzes. *Three times a week in sections for four months.*

Elective Course. Clinical exercises. *Twice a week for four months. Four times a week in sections for four months.*

Clinical Surgery.

THIRD CLASS.

Clinical Surgery Conference. *Once a week, from October till May.* Professor PORTER.

Clinical visits, *in sections of one-third of the class, once a week throughout the year,* at the Massachusetts General Hospital. *During first half-year* by Professors PORTER, WARREN and Dr. BEACH. *During second half-year* by Assistant Professor M. H. RICHARDSON, and Drs. HOMANS and CABOT. — At the Boston City Hospital, by Assistant Professor BURRELL, and Drs. GAY, BOLLES, POST, GAVIN, WATSON, and MONKS.

In small sections daily in the Out-Patient Departments of the Massachusetts General Hospital, by Drs. CONANT, SCUDDER, and MUMFORD. — At Boston City Hospital, by Drs. LOVETT, MUNRO, THORNDIKE, and E. W. DWIGHT.

FOURTH CLASS.

Lectures. *Twice a week.* Massachusetts General Hospital. *Once a week till February,* Professor PORTER. *February to June,* Asst. Pro-

fessor M. H. Richardson. Boston City Hospital. *Once a week till December*, Dr. Monks. *December till June*, Asst. Professor Burrell. Visits. *Twice a week.* Operations. *Twice a week.* Surgical Diagnosis. *Once a week.* Surgical Emergencies. *Every evening in small sections.*

Operative Surgery.

Operations are performed before the students one day each week throughout the year in the Amphitheatres at the Massachusetts General Hospital and Boston City Hospital.

Operative Surgery and Surgical Anatomy. *Exercises illustrated upon the cadaver twice a week in November and December.* Professor Porter.

Operative Surgery. *Fifteen practical exercises by the students of the Fourth Class*, under the direction of Professor Porter, assisted by Drs. Mixter, Monks, Conant, and Scudder.

The surgical cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

Dermatology.

Third Class.

Lectures on diseases of the Skin. *Once a week.* Professor White.

Clinical Dermatology. *Once a week.* Professor White.

Fourth Class.

Clinical Dermatology. *Twice a week.* Dr. Bowen.

Laboratory instruction in pathological Histology and Parasitism. Drs. Bowen and C. J. White.

Syphilis.

Lectures. *Once a week during first half-year.* Clinical Exercises. *Three times a week during first half-year.* Dr. Post.

Theory and Practice of Physic.

Second Class.

Recitations or demonstrations. *Twice a week.* Dr. Cutler.

Third Class.

Lectures on selected subjects. *Twice a week.* Professor Fitz. Clinical lectures. *Twice a week.* Professor Fitz.

Clinical Medicine.

Second Class.

Clinic. *Once a week.* Dr. Vickery. *Once a week.* Dr. Withington.

Practical Instruction in Auscultation and Percussion. *Six times*

a week during the first half-year. Drs. GANNETT, V. Y. BOWDITCH, SEARS, and KNIGHT. *During the second half-year at the bed side in the wards.* Professor MASON, and Drs. GANNETT, VICKERY, WITHINGTON, BOWDITCH, and MORSE.

THIRD CLASS.

Twice a week. Professor SHATTUCK. *Twice a week.* Professor MASON.

Medical visits are made at the City Hospital with Professor MASON and Drs. J. G. BLAKE, G. B. SHATTUCK, FOLSOM, WITHINGTON, and BOWDITCH.

FOURTH CLASS.

Clinic with special reference to Therapeutics. *Once a week.* Professor SHATTUCK. *Once a week.* Professor MASON.

Clinical Conference. *Once a week.* Dispensary cases. *Twice a week in the second half-year.* Infectious Diseases and Practical Diagnosis. Dr. MCCOLLUM.

Neurology.

Clinical Instruction. Third Class. *Once a week, first term. Twice a week, second term.* Professor PUTNAM. Fourth Class. *Three times a week, first half-year. Twice a week, second half-year.* Professor PUTNAM, and Drs. WALTON and KNAPP.

Psychiatry.

THIRD CLASS.

Lectures. Third Class. *Once a week during second half-year.* Dr. COWLES.

Clinical Instruction. Fourth Class. *Once a week during second half-year.* Drs. COWLES and LANE.

Pediatrics.

Lectures. *Three times a week during October, November, and December. Once a week during January, February, March, and April.* Professor ROTCH.

Clinical exercises. *Twice a week during February, March and April.* Drs. BUCKINGHAM, WENTWORTH and CRAIGIN.

Recitations. *Twice a week during January. Three times a week during May.* Dr. WENTWORTH.

Instruction in Physical Examination. *Once a week in November, December, January, February, March, and April.* Dr. CRAIGIN.

Instruction in Contagious Diseases. *Three times a week in October, November, December, and January.* Dr. MCCOLLOM.

Clinical Conferences in April. Professor ROTCH and Drs. BUCKINGHAM, WENTWORTH and CRAIGIN.

Obstetrics.

Theory and Practice of Obstetrics. *Twice a week.* Professor Wm. L. Richardson. Recitations. *Once a week.* Dr. Reynolds.

Operative Obstetrics. *Twelve practical exercises.* Asst. Professor C. M. Green.

Practical Instruction in Clinical Obstetrics. *Throughout the year.* Asst. Professor C. M. Green and Drs. Reynolds, Higgins, and Newell.

Obstetrical Conference. *Once a week.* Professor Wm. L. Richardson and Asst. Professor C. M. Green, and Drs. Reynolds, Higgins, and Newell.

Clinical Obstetrics. *Twice a week for five months.* Professor Wm. L. Richardson and Asst. Professor C. M. Green.

Operative Obstetrics. *Practical exercises.* Drs. Reynolds, Higgins, and Newell.

Gynaecology.

Third Class.

Lecture or recitation. *Twice a week during first half-year.* Asst. Professor Davenport.

Clinical Exercises. *Six times a week till April, then three times a week.* Drs. Haven, Swift and Reynolds.

Fourth Class.

Clinical and Operative Exercises. *Twice a week.* Asst. Professor C. M. Green.

Clinical Conference. *Once a week during the second half-year.* Asst. Professor C. M. Green.

Ovarian Tumors.

Lectures. *Once a week for six weeks.* Dr. Homans.

Ophthalmology.

Lectures. *Once a week during first half-year.* Professor Wadsworth. Clinical exercises. *Eight times a week during the first half-year.* Professor Wadsworth and Drs. Standish, Cheney and Jack. *Four times a week during second half-year.* Professor Wadsworth.

Otology.

Lectures. *Twice a week till January.* Clinical Exercises. *Three times a week during first half-year.* Professors C. J. Blake and J. O. Green.

Six Clinical exercises a week during second half-year. Professors C. J. Blake, J. O. Green, and Drs. Crockett and Hammond.

Anatomy of the Ear. *Two recitations a week during October.* Dr. HAMMOND.

Diseases of the Throat and Nose.

Three practical exercises and one lecture a week. Drs. DEBLOIS, FARLOW, and COOLIDGE.

Orthopedics.

Lectures. *Once a week during first half-year.* Clinical exercises. *Three times a week during first half-year.* Clinical Exercises. *Six times a week during second half-year, elective course.* Asst. Professor BRADFORD.

Hygiene.

Lectures and demonstrations. *Three times a week during second half-year.* Asst. Professor HARRINGTON.

Laboratory Hygiene. Fourth year elective for specially qualified students. *Three times a week.* Asst. Professor HARRINGTON.

Diseases of the Genito-Urinary Apparatus.

Once a week. Drs. WATSON and THORNDIKE.

Legal Medicine.

Three times a week during the first half-year. Professor DRAPER.

Municipal Sanitation.

Twice a week during February and March. Dr. DURGIN.

Clinical Microscopy.

Laboratory. *Three times a week.* Dr. WHITNEY.

Comparative Etiology of Infectious Diseases.

Twice a week during the second half-year. Professor SMITH.

Cookery.

Twice a week (two hours) for one month. Boston Cooking School.

Museum.

Open daily during the year. Dr. WHITNEY.

CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure for Clinical Instruction and for the study of Practical Anatomy those advantages which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital. — During the past year, 4,312 patients were treated in the wards, and 29,181 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the ampitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology. The Dalton scholarship of $500 is open to the house pupils.

The City Hospital. — During the past year, 8393 cases were treated in its wards, and 20,562 in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are treated yearly. Surgical operations are performed in the ampitheatre. There are special services for diseases of women, of the eye, the ear, the skin, the nose and throat; diseases of women and of the nervous system are also largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons two or more times a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Boston Lying-in Hospital. — More than six hundred patients were confined during the last year in the Hospital. In the out-patient department, over sixteen hundred cases were attended by the hospital Externes, who are appointed from the third and fourth year students. Clinical instruction is given in these cases by the physicians to out-patients and the House Physicians.

The Boston Dispensary. — 44,217 patients were treated at this public charity during the past year. A new building has lately been erected at a cost of $50,000, where students have ample and excellent opportunity

for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of Medicine and Surgery.

The Infants' Hospital. — The wards of the Hospital are devoted entirely to children under two years of age. About 3000 children of all ages are treated anually in the out-patient department. The material of the Hospital is used throughout the year for teaching both students and graduates.

Children's Hospital. — During the past year more than seven hundred cases were treated in the wards and about seventy-six hundred in the out-patient departments. Instruction in orthopedic surgery and in the general diseases of children is given by members of the hospital staff.

The Massachusetts Charitable Eye and Ear Infirmary. — 22,101 patients were treated at this institution during the past year. These cases present every variety of disease of the ear and eye, and supply a large number of operations.

The Marine Hospital at Chelsea receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

Students are also permitted to visit the Free Hospital for Women and the Carney Hospital on application to the physicians on duty.

There are more than sixty appointments annually for Internes in the various hospitals, and nearly as many more for Assistants in the out-patient departments. Appointments for the Massachusetts General and City Hospitals are for terms of one to two years (according to the service chosen); for the Boston Lying-in Hospital for six months, and for the Free Hospital for Women for nine months.

EXAMINATIONS.

The final examination in every required subject is held at the close of either the first or the second term of the school year. The examination, therefore, in every subject occurs once a year, but an opportunity to make up failures in examinations will be offered at the opening of the school year. The examination in certain studies of the first and fourth year is held at *mid-year* only, and is for those who are members of the School at the time, and for those entitled to apply for the degree provided they have previously failed in those subjects. The *June examination* is for those only who are members of the School at the time and for those entitled to apply for the degree. The *September examination* is for graduates and for those only who have previously been examined and have failed in the subject of the examination, or who are applicants for ad-

vanced standing. In some branches a portion of the examination consists of practical work in the laboratory.

First Year. — Anatomy (2 hrs.), Physiology (3 hrs.), Histology* (1 hr.), Physiological Chemistry (1½ hr.), Bacteriology (1 hr.).

Second Year. — Anatomy (2 hrs.), Pathological Anatomy (3 hrs.), Clinical Chemistry (2 hrs.), Materia Medica and Therapeutics (2 hrs.).

Third Year. — Theory and Practice (3 hrs.), Surgery (3 hrs), Obstetrics (3 hrs.), Pediatrics (2 hrs.), Dermatology (1 hr.), Neurology (1 hr.)) Gynaecology (1 hr.), Mental Diseases (1 hr.).

Fourth Year. — Clinical Medicine (3 hrs.), Clinical Surgery (2 hrs.), Orthopedics† (1 hr.), Ophthalmology† (1 hr.), Otology† (1 hr.), Laryngology† (1 hr.), Legal Medicine† (1 hr.), Syphilis† (1 hr.), Hygiene (1 hr.).

Electives. — Gynaecology (2 hrs.), Dermatology (2 hrs.), Neurology (2 hrs.), Ophthalmology (2 hrs.), Otology (2 hrs.), Orthopedic Surgery (2 hrs.), Physiology (1 hr.), Clinical Chemistry (1 hr.), Operative Surgery (1 hr.), Operative Obstetrics† (1 hr.), Bacteriology† (1 hr.), Anatomy (1 hr.), Embryology (1 hr.), Clinical Microscopy (1 hr.), Hygiene (1 hr.), Physiological Chemistry (2 hrs.), Histology of the Nervous System (1 hr.), Advanced Histology (1 hr.), Comparative Etiology of Infectious Diseases (1 hr.).

In addition to the above examinations each student is required to present a satisfactory report of the analysis of a specimen of urine, and of the clinical examination of a specimen of blood, to examine and report upon two clinical cases in Surgery, a case of fracture and four cases in Medicine, to take charge of and report upon six cases in Obstetrics and to receive clinical instruction on at least one of them, one case in Orthopedics (elective), one case in Ophthalmology (elective); each student must also have dissected the three parts of the body to the satisfaction of the Demonstrator, and no student shall be admitted to the examination on Anatomy at the end of the first year who has not so dissected two parts, nor to that at the end of the second year who has not so dissected three parts, unless excused by the Professor of Anatomy.

In the fourth year, three hours of examination in electives are obligatory. *The choice of electives must be made within two weeks of registration at the beginning of the year, and must be given to the Secretary in writing.*

The general elective courses are open to all members of the fourth class who elect them with the intention of taking the examination.

* The examination in this subject will be held only at the end of the first half-year.

† The examinations in these subjects will be held at the end of the first half-year.

Students electing Ophthalmology, Otology, or Orthopedics in the fourth year are obliged to pass only the two-hours examination in these subjects at the end of the year. Only one hour of these two can count as an elective.

Candidates for the degree who shall have served satisfactorily as Internes in the Massachusetts General Hospital, Boston City Hospital, Carney Hospital, Children's Hospital, and State Almshouse Hospital, for a period of not less than one year, may be exempt from examination in the electives of the fourth year.

No student is allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty.

After two failures to pass in any subject a charge of three dollars will be made for each subsequent examination in that subject.

DIVISION OF STUDENTS.

Students are divided into four classes according to their time of study and proficiency. Students who began their professional studies in other recognized Medical Schools may be admitted to advanced standing; but all persons who apply for admission to the advanced classes must pass examinations in the branches already pursued by the class to which they seek admission, and furnish a satisfactory certificate of time spent in medical studies. No student may advance with his class, or be admitted to advanced standing, until he has passed the required examinations in the studies of the previous year, or a majority of them; nor may he become a member of the third class, until he has passed all the examinations of the first, including admission examinations, and in addition a majority of those of the second year; nor of the fourth class, until he has passed all of the examinations of the first and second, in addition to a majority of those of the third year. *No student will be permitted to take part in any exercise of the third year unless he is clear of all entrance conditions.*

No student will be permitted to continue his membership in the School, if at the beginning of his second year he has passed none of the first-year examinations.

In order that the time of study shall count as a full year, students of all classes must present themselves within the first week of the School year and register their names with the Secretary.

Any student may obtain a certificate of his period of connection with the School.

LIBRARIES.

The students of the Medical School have access, free of charge, to the books belonging to the library of the School in the several departments.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library, which contains a large collection of medical books, is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office, or deposited with the Bursar the sum of fifty dollars, may also use this library. The Bursar will furnish on application the necessary certificate of bond or deposit.

DEGREES.

Degree of Doctor of Medicine.

Every candidate for the degree of Doctor of Medicine must be twenty-one years of age, and of good moral character; must give evidence of having studied in a recognized Medical School at least four full years; have spent at least one continuous year at this School; and have passed the required examinations.

At the end of the four years of study the degree of Doctor of Medicine will be given to those students who have fulfilled its requirements. This degree *cum laude* will be given to candidates who have obtained an average of over seventy-five per cent in all the required examinations.

Candidates for the degree are obliged to apply for the same in writing, on blanks furnished at the Dean's office, on or before *May 31* of the year in which they propose to graduate.

The presentation of a thesis is not a requirement for graduation, but candidates for the degree of Doctor of Medicine may present a voluntary thesis. If of conspicuous merit, it will receive honorable mention; if also of a suitable character, it may be read at the Commencement exercises. Theses must be completed and delivered to the Dean on or before *the first day of June.*

A graduate of another medical school of recognized standing may obtain the degree of Doctor of Medicine at this University, after a year's study in the graduates' course and after passing all examinations required in the full undergraduate course, which may be taken only at the times set for the regular examinations in September, February (mid-year), and June.

Degree of Master of Arts.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other Colleges who shall be recommended by the Faculty of Arts and

Sciences of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine. Applications for approval of course of study offered for this degree must be made to the Administrative Board of the Graduate School on or before the *thirtieth day of April*. It is advisable to apply to the Board *early in the year*.

PECUNIARY AID.

Fellowships.

Bullard Fellowships. In 1891, William Story Bullard, of Boston, gave the sum of fifteen thousand dollars for the establishment of three fellowships of five thousand dollars each "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." Accordingly the three following fellowships were established with a yearly income of two hundred and twenty-five dollars each: —

The George Cheyne Shattuck Memorial Fellowship.
The John Ware Memorial Fellowship.
The Charles Eliot Ware Memorial Fellowship.

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Faculty of the Medical School to make such original investigations in Medical Science as in their opinion will be most useful to the profession and to the community.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours per week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

Scholarships.

The Cheever Scholarship is awarded to a student of the first year class. The Hayden Scholarship may be so awarded. All the other Scholarships are awarded to members of the three upper classes.

Barringer Scholarships. Two, known as the Edward M. Barringer Scholarship No. 1, and the Edward M. Barringer Scholarship No. 2, and having a yearly income of three hundred dollars and two hundred dollars respectively, from a bequest of Edward M. Barringer will be awarded to deserving students, preferably those of the fourth class.

David Williams Cheever Scholarship, with an income of two hundred and fifty dollars, was founded in 1889 by David Williams Cheever, LL.D., M.D., of Boston, of the Class of 1852. It is to be awarded

to a poor and meritorious student of the first year, after three months probation in the Medical School.

Isaac Sweetser Scholarship was founded in 1892 by Mrs. Anne M. Sweetser. The income of two hundred and fifty dollars is to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession."

Claudius M. Jones Scholarship, with an income of two hundred and fifty dollars, is from a bequest of six thousand dollars by Claudius Marcellus Jones, of the Class of 1866, M.D. 1875.

Orlando W. Doe Scholarship. One-half the income from the bequest of Orlando Witherspoon Doe, of the Class of 1865, M.D. 1869, of five thousand dollars, amounting to one hundred dollars "is to be given annually as a scholarship to a deserving student in the Medical department."

Charles Pratt Strong Scholarship, with an income of one hundred dollars, was founded in 1894 by friends and patients of the late Charles Pratt Strong, of the Class of 1876, M.D. 1881.

The Lewis and Harriet Hayden Scholarship for colored students was founded in 1894 from a bequest of Mrs. Harriet Hayden. The income is two hundred dollars.

Alfred Hosmer Linder Scholarship, with an income of two hundred dollars, was founded in 1895 by Mrs. George Linder. It is to be awarded to a needy student who shall have proven himself to be of sound principles and marked ability.

Joseph Eveleth Scholarships. Three Scholarships with an annual income of two hundred dollars each. Founded from the residuary bequest of thirty-seven thousand eight hundred and ninety-seven dollars and fourteen cents, made by Joseph Eveleth, of Boston, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith." Three Scholarships on this foundation have been assigned to the Harvard Medical School.

Edward Wigglesworth Scholarship, with an income of two hundred dollars, was founded in 1897 by the family of the late Edward Wigglesworth, of the Class of 1861, M.D. 1865, the yearly income of the fund to be paid to such needy and deserving students of the Medical School as the Medical Faculty shall annually recommend.

Hilton Scholarship, with an income of two hundred and twenty-five dollars, was founded in 1897 from a bequest of William Hilton.

Charles B. Porter Scholarship, with an income of two hundred dollars, was founded in 1897 from a bequest of five thousand dollars by William L. Chase.

Faculty Scholarships. Four scholarships, with an income of two hundred dollars each, have been established by the Faculty, and are open

to meritorious students who have been at the School for at least one year. Only those students needing assistance are expected to apply; and of such, those holding the highest rank will have the preference. Holders of Faculty scholarships may be required to render assistance in laboratory courses to an amount not exceeding four hours per week.

The income of the JOHN FOSTER FUND, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance. The next payment will be made in 1900.

All applications for scholarships or pecuniary aid, except for the Cheever and Hayden Scholarships, must be handed to the Dean on or before *June 1* of each year.

Applications for the Cheever and Hayden Scholarships must be handed to the Dean on or before *November 30*. These scholarships are open only to students who are members of the school at the time of application.

Blank forms on which all applications for pecuniary aid must be made can be obtained of the Dean.

FEES AND EXPENSES.

The fees are: — For matriculation, *five dollars;* for the first three years, *two hundred dollars* for each year (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, *one hundred and twenty dollars;* for the full year to all students entitled to be classified as fourth-year students and who have been regular members of the School for three full years, *one hundred dollars;* for graduation, *thirty dollars*. During the first two years there are the following additional expenses: two dollars for each of the three parts required for dissection; two dollars for physiological material; and five dollars per year for chemical material, in addition to the charge for breakage of glass apparatus. A deposit of fifteen dollars is required to cover these charges for chemical material and breakage. The balance of this deposit is returned at the end of the year. A deposit of two dollars with the Dean will entitle a student to the use of a locker in the School building. A student who wishes to rent a microscope of the School can do so upon payment of three dollars a term. In the fourth year a charge of three dollars will be made for material used in the course in Operative Surgery.

Of students who do not pay in advance, a bond for *three hundred dollars*, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Secretary of the Faculty, and all students are recommended to deposit such a bond. To students depositing bonds, term-bills will be presented one week before the end of the first term, to be paid

within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean in writing of their intention to withdraw from the School, and have subsequently received their bond from the Bursar.*

No officer or student of the University is accepted as a bondsman.

Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction. This remission will date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places at various prices can be obtained at the rooms of the Young Men's Christian Association, corner of Berkeley and Boylston Streets, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

COURSES OF STUDY FOR GRADUATES.

The Faculty has arranged an improved plan of instruction for graduates of recognized medical schools, embracing nearly all the branches of practical and scientific medicine. It is designed to supply good opportunities for clinical and laboratory study.

The laboratories of the School are well equipped for practical work, and the clinical advantages afforded by the hospitals of Boston furnish abundant material for all purposes of instruction. The following are the principal institutions: —

Massachusetts General Hospital,
Boston City Hospital,
Boston Dispensary,
Massachusetts Eye and Ear Infirmary,
Free Hospital for Women,
Boston Lying-in Hospital,
The Infants' Hospital,
The Children's Hospital,
McLean Hospital (for the Insane),
The Carney Hospital.

Instructors in the Medical School are members of the medical and surgical staffs of these institutions, and students are admitted to all of them under their immediate supervision.

Instruction in the graduate courses is entirely distinct from that of the undergraduate department of the School, with but few exceptions; but students of the former are admitted also to all the regular lectures (not clinical) of the latter without extra charge during their connection with the School.

* The Bursar's office is in Wadsworth House, Harvard Sq., Cambridge. Hours 9–1.

Instruction is conducted in small classes and under the personal direction of the heads of departments.

Instruction is given throughout the academic year, October to June.

A certificate of attendance will be furnished when desired.

Fees.

The fees for the separate courses in the several departments vary.

Fee for two months' attendance upon all the courses,	$100.
" " four months' " " " "	150.
" " attendance throughout the academic year " " "	200.

An extra fee is required for the use of material in laboratory, dissecting and operative courses.

Graduates seeking admission to any of the graduate courses must first register their names at the Dean's office at the Medical School, where all fees are payable, and obtain a receipt to be shown at the first exercise.

Those pursuing graduate courses may elect the studies to which they will give their attention, and allot the time they will devote to each. They are exempt, unless at their option, from examinations, and may obtain a certificate of attendance on the courses pursued. On payment of the full fee for the year, they have the privilege of attending other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

A graduate of another recognized medical school may obtain the degree of Doctor of Medicine from this University, after a year's study in the graduates' courses and after passing the required examinations, which can be taken only at the times set for the regular examinations in September, February (mid-year) and June.

For further information and full description of the courses and lectures for graduates, address Dr. William L. Richardson, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

SUMMER COURSES OF INSTRUCTION.

During the summer of 1899, courses in many branches of practical and scientific medicine will be given by teachers in the School. These courses will be clinical in character and will be given at the Hospitals and Dispensaries by the physicians and surgeons on duty. Practical instruction will also be given in several of the Laboratories of the School by the instructors in charge.

A list of the Summer Courses will be announced early in the Spring. For further information address Dr. William L. Richardson, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

The following are the Courses provided in the Graduate Department for 1898–99.

	Subject.	Instructor.	Place.	Time.	Fee.
	1. Anatomy of the Joints	Dr. Dwight	Medical School	Special*	$25.
	2. Dissection Courses	Dr. Brooks	Medical School	After Nov. 1	20.
	3. Special Anatom. Instruction	Dr. Dwight	Medical School	Special*	Special.*
†	4. Histology and Microscopy	Drs. Minot and Schaper	Medical School	Special*	30.
†	5. Elem. Human Embryology	Drs. Minot and Schaper	Medical School	Special*	25.
†	6. Advanced Embryology	Drs. Minot and Gregory	Medical School	Oct.—May	75–125
†	7. Structure of the Brain	Dr. Schaper	Medical School	March Apr.	5.
†	8. Physiology	Dr. Bowditch	Medical School	Special*	Special.*
†	9. Medical Chemistry	Dr. Wood	Medical School	Special*	35.
	10. Physiological Chemistry	Dr. Pfaff	Medical School	Special*	Special.*
	11. Practical Pathology	Dr. Councilman	Medical School	Special*	30–50.
	12. Pathological Histology	Dr. Councilman	Medical School	Special*	25.
	13. Neuropathology	Dr. Taylor	Medical School	Special*	25.
	14. Advanced Neuropathology	Dr. Taylor	Medical School	Special*	75–125.
	15. Surgical Pathology	Dr. Nichols	Medical School	Special*	25.
	16. Clinical Microscopy	Dr. Whitney	Mass. General Hospital	Special*	Special.*
†	17. Clinical Haematology	Dr. Morse	Boston City Hospital	Dec., Jan.	15.
†	18. Physical Diagnosis	Dr. Morse	Boston City Hospital	Oct., Nov.	15.
†	19. Physical Diagnosis	Dr. Ernst	Mass. General Hospital	Nov., June	15.
	20. Clinical Medicine	Dr. Vickery	Mass. General Hospital	Oct.	15.
†	21. Clinical Medicine	Dr. Withington	Boston City Hospital	May	20.
†	22. Clinical Medicine	Dr. Morse	Boston City Hospital	Dec., Jan.	20.
	23. Auscultation and Percussion	Dr. Jackson	Boston Dispensary	Oct. 15—Dec. 1	15.
†	24. Infectious Diseases	Dr. McCollom	Boston City Hospital	Oct., Nov.	25.
†	25. Intubation	Dr. McCollom	Boston City Hospital	Special*	25.
	26. Minor Surgery	Dr. Lund	Boston City Hospital	Apr., May	15.
†	27. Minor Surgery	Dr. J. B. Blake	Boston City Hospital	Apr., May, June	15.
	28. Minor Surgery	Dr. Conant	Mass. General Hospital	Oct., Nov.	25.
‡	29. Minor Surgery	Dr. Conant	Mass. General Hospital	Dec., Jan.	25.
	30. Minor Surgery	Dr. Mumford	Mass. General Hospital	Feb.—June	25.
†	31. Clinical Surgery	Dr. Mumford	Carney Hospital	Oct.—Jan.	20.
	32. Clinical and Operative Surgery	Dr. Conant	St. Elizabeth's Hospital	Jan.—Mar.	25.
	33. Clinical and Operative Surgery	Dr. Conant	Carney Hospital	Apr.—June	25.
	34. Clinical, Operative, Genito-urinary, Pathological and Minor Surgery	Drs. Monks and Thorndike	Boston City Hospital	Oct., Dec.	25.
	35. Clinical, Operative, and Minor Surgery	Drs. Burrell, Lovett, and Munro	Boston City Hospital	Dec.—Apr.	25.
	36. Operative Surgery	Dr. C. B. Porter	Medical School	Special*	25.
‡	37. Children's Surgery	Drs. Burrell and Lovett	Children's Hospital	Oct., Nov., Dec.	25.
‡	38. Children's Surgery	Drs. Burrell and Lovett	Children's Hospital	Apr., May, June	25.
	39. Clinical Surgery	Dr. Scudder	Mass. General Hospital	Feb.—June	25.

40. Genito-Urinary Surgery	Dr. Watson	Boston City Hospital	Dec., Jan.	20.
†41. Orthopedic Surgery	Dr. Bradford	Children's Hospital	Apr.	15.
42. Orthopedics	Dr. Painter	Boston Dispensary	Oct.—Jan.	20.
43. Orthopedics	Dr. Painter	Boston Dispensary	Feb., May	20.
44. Syphilis	Dr. Post	Boston Dispensary	Feb., March	25.
45. Clinical Obstetrics	Dr. W. L. Richardson	Boston Lying-in Hospital	Nov., Dec.,-Apr., May	25.
46. Clinical Obstetrics	Dr. C. M. Green	Boston Lying-in Hospital	Jan., Feb., March	25.
47. Practical Obstetrics	Dr. Reynolds	Boston Lying-in Hospital	Special*	20.
48. Operative Obstetrics	Dr. C. M. Green	Medical School	Special*	25.
49. Diseases of the Skin	Dr. White	Mass. General Hospital	Oct.—June	25.
†50. Otology	Dr. Blake	Eye and Ear Infirmary	May—July	Special.*
†51. Otology	Dr. Crockett	Eye and Ear Infirmary	Special*	Special.*
†52. Otology	Dr. Hammond	Eye and Ear Infirmary	Special*	Special.*
†53. Anatomy of the Ear	Dr. Hammond	Medical School	Special*	Special.*
†54. Ophthalmology	Dr. Standish	Eye and Ear Infirmary	May	25.
†55. Ophthalmology	Dr. Cheney	Mass. General Hospital	Oct., Nov.	20.
†56. Ophthalmology	Dr. Cheney	Mass. General Hospital	Feb., March	20.
57. Ophthalmology	Dr. Jack	Eye and Ear Infirmary	Apr. May	20.
58. Gynaecology	Dr. Swift	Free Hospital for Women	Oct.	25.
59. Gynaecology	Dr. Swift	Free Hospital for Women	Nov.	25.
60. Gynaecology	Dr. Davenport	Free Hospital for Women	Feb.	25.
61. Gynaecology	Dr. Davenport	Free Hospital for Women	Apr.	25.
62. Gynaecology	Dr. Haven	Boston Dispensary	Nov.	25.
63. Gynaecology	Dr. Swift	Boston Dispensary	Jan., Feb.	25.
64. Gynaecology	Dr. C. M. Green	Boston City Hospital	Oct., Nov., Dec.	25.
65. Gynaecology	Dr. Reynolds	Boston City Hospital	Oct.,Nov.,Dec.,Apr.,May	25.
66. Operative Gynaecology	Dr. Davenport	Medical School	Special*	25.
‡67. Diseases of the Nose and Throat	Dr. DeBlois	Boston City Hospital	Jan., March	20.
‡68. Diseases of the Nose and Throat	Dr. Farlow	Boston City Hospital	Apr., May	20.
‡69. Diseases of the Nose and Throat	Dr. Coolidge	Mass. General Hospital	Feb., March	20.
†70. Mental Diseases	Dr. Cowles	McLean Hospital	Special*	25.
†71. Bacteriology	Dr. Ernst	Medical School	Special*	25.
†72. Diseases of Children	Dr. Wentworth	Children's Hospital	Oct., Nov.	20.
†73. Diseases of Children	Dr. Wentworth	Children's Hospital	Dec., Jan.	20.
†74. Diseases of Children	Dr. Buckingham	Children's Hospital	Feb., March	20.
†75. Diseases of Children	Dr. Buckingham	Children's Hospital	Apr., May	20.
†76. Advanced Neurology	Dr. Putnam	Mass. General Hospital	Special*	Special.*
†77. Neurology	Dr. Knapp	Boston City Hospital	Feb., March	20.
†78. Neurology	Dr. Knapp	Boston City Hospital	Apr., May	20.
79. Neurology	Dr. Walton	Mass. General Hospital	March	20.
80. Hygiene	Dr. Harrington	Medical School	Special*	25.
81. Disinfection	Dr. Harrington	Medical School	Special*	20.
82. Analysis of water, food, etc.	Dr. Harrington	Medical School	Special*	20.
†83. Pharmacology	Dr. Pfaff	Medical School	Special*	Special.*
†84. Comparative Pathology	Dr. Smith	Bussey Institution	Oct.—June	Special.*

* To be arranged with instructor. † Women admitted. ‡ Women admitted conditionallly.

SUMMER COURSES OF INSTRUCTION IN THE MEDICAL SCHOOL. 1898.

No.	Subject.	Instructor.	Place.	No. of Exercises.	Begins.	Ends.	Days.	Hour.	Fee.
1	Histology and Microscopy [3 16]	Dr. Ames	Medical School	18	July 11	Aug. 12	Mo. We. Fr.	3	20.00
2	Pathological Technique [1 2 12]	Dr. Mallory	City Hospital	42	June 28	Aug. 13	Daily		50.00
3	Pathological Anatomy [4]	Dr. Taylor	Medical School	13	July 1	July 29	Mo. We. Fr.	3	25.00
4	Clinical Hæmatology [1 2]	Dr. Morse	City Hospital	10	July	Aug.		3.30	25.00
5	Clinical Hæmatology [5]	Dr. Hewes	Medical School	14	July 1	July 16	Daily		15.00
6	Bacteriology	Dr. Stone	Medical School	35	Aug. 16	Sept. 24	Daily	3.30	30.00
7	Bacteriology [15 20]	Dr. Darling	Medical School	35	July 5	Aug. 13	Daily	3.30	30.00
8	Chemistry [5 6]	Dr. Hills	Medical School	25	June 27	July 29	Daily	10	30.00
9	Clinical Chemistry [6 7]	Dr. Ogden	Medical School	30	June 30	Aug. 4	Daily	1	30.00
10	Practical Pharmacy [7 19]	Dr. C. Harrington and Mr. Jordan	Medical School	12	July 1	July 29	Mo. We. Fr.	4	20.00
11	Practical Pharmacy [7 19]		Medical School	12	Aug. 1	Aug. 26	Mo. We. Fr.	4	20.00
12	Diseases of the Digestive Organs [1]	Dr. Cutler	Mass. Gen. Hosp.	12	June 1	June 29	Tu. Fr.	11	25.00
13	Chemistry of Gastric Diseases [2]	Dr. Hewes	Medical School	18	July 18	Aug. 8	Daily		20.00
14	Clinical Medicine	Dr. Gannett	Mass. Gen. Hosp.	20	July 1	Aug. 15	Mo. We. Fr.	9	20.00
15	Clinical Medicine	Dr. Vickery	Mass. Gen. Hosp.	13	July 5	Aug. 12	Mo. We. Fr.	10	15.00
16	Clinical Medicine [1]	Dr. Jackson	City Hospital	20	July 1	Aug. 15	Mo. We. Fr.	10	20.00
17	Clinical Medicine [16]	Dr. Sears	City Hospital	13	Aug. 2	Aug. 30	Tu. Th. Sat.	10.30	20.00
18	Clinical Medicine [1]	Dr. Stone	Mass. Gen. Hosp.	16	Aug. 10	Sept. 30	Wed. Fri.	11	15.00
19	Clinical and Operative Surgery	Dr. Mixter	Mass. Gen. Hosp.	24	June 3	July 27	Mo. We. Fr.	11	25.00

20	Clinical and Operative Surgery	Dr. Mixter	Mass. Gen. Hosp.	26	Aug. 1	Sept. 28	Mo. We. Fr.	11	25.00
21	Clinical and Operative Surgery [1]	Dr. Conant	Carney Hospital	20	July 1	Aug. 15	Mo. We. Fr.	10	25.00
22	Clinical and Operative Surgery [1]	Dr. Conant	Carney Hospital	20	Aug. 17	Sept. 30	Mo. We. Fr.	10	25.00
23	Clinical and Operative Surgery [14]	Dr. Lovett	City Hospital	15	Aug. 15	Sept. 16	Mo. We. Fr.	10	20.00
24	Surgery of Children [1]	Dr. Lovett	Children's Hosp.	10	Aug. 16	Sept. 17	Tu. Sat.	10	15.00
25	Minor Surgery	Dr. Brooks	Mass. Gen. Hosp.	13	July 1	July 29	Mo. We. Fr.	10	20.00
26	Minor Surgery	Dr. Brooks	Mass. Gen. Hosp.	14	Aug. 1.	Aug. 31	Mo. We. Fr.	10	20.00
27	Genito-Urinary Surgery [1]	Dr. Thorndike	City Hospital	14	Aug. 1	Aug. 31	Mo. We. Fr.	10	20.00
28	Genito-Urinary Surgery [1]	Dr. Thorndike	City Hospital	13	Sept. 2	Sept. 30	Mo. We. Fr.	10	20.00
29	Minor Surgery	Dr. J. B. Blake	City Hospital	26	June 1	July 29	Mo. We. Fr.	10	20.00
30	Minor Surgery	Dr. Lund	City Hospital	27	Aug. 1	Aug. 31	Daily	10	20.00
31	Minor Surgery	Dr. Lund	City Hospital	26	Sept. 1	Sept. 30	Daily	10	20.00
32	Minor Surgery	Dr. C. A. Porter	Mass. Gen. Hosp.	13	July 2	July 30	Tu. Th. Sat.	10	20.00
33	Minor Surgery	Dr. C. A. Porter	Mass. Gen. Hosp.	14	Aug. 1	Aug. 31	Mo. We. Fr.	10	20.00
34	Minor Surgery	Dr. C. A. Porter.	Mass. Gen. Hosp.	13	Sept. 1	Sept. 29	Tu. Th. Sat.	10	20.00
35	Clinical Obstetrics	Dr. C. M. Green	Lying-in Hosp.	50	June 1	Sept. 30			30.00

[1] Class-membership limited.
[2] Details relating to time to be arranged later.
[3] A small charge will be made for laboratory materials.
[4] Of the Nervous System only.
[5] A satisfactory examination passed at the end of this course will be accepted in place of the entrance examination in Chemistry.
[6] A deposit of five dollars will be required to meet charges for supplies and broken apparatus.
[7] Each exercise is of two hours' duration.
[14] To a class of not less than two students.
[15] To a class of not less than three students.
[16] To a class of not less than four students.
[17] To a class of not less than five students.
[19] To a class of not less than ten students.
[20] A charge of three dollars will be made for use of a microscope.

No.	Subject.	Instructor.	Place.	No. of Exercises.	Begins.	Ends.	Days.	Hour.	Fee.
36	Clinical Obstetrics [1]	Dr. Reynolds	Lying-in-Hosp.	9	July 1	July 29	Mo. Fr.	11	15.00
37	Operative Obstetrics [15]	Dr. Higgins	Medical School	8	Aug. 9	Aug. 19	Tu. We. Th. Fr.	4	20.00
38	Operative Obstetrics [15 2]	Dr. Newell	Medical School	8	July	July		4	20.00
39	Diseases of Women	Dr. Higgins	City Hospital	13	Aug. 2	Aug. 30	Tu. Th. Sat.	10	20.00
40	Diseases of Children [10]	Dr. Buckingham	Children's Hosp.	18	June 1	July 30	Mo. Th. Sat.	10	20.00
41	Diseases of Children [11]	Dr. Wentworth	Children's Hosp.	18	Aug. 1	Sept. 29	Mo. Th. Sat.	10	20.00
42	Diseases of the Ear [15]	Dr. C. J. Blake	Eye and Ear Inf.	26	June 2	July 30	Tu. Th. Sat.	10	25.00
43	Diseases of the Ear [1 7]	Dr. Crockett	Eye and Ear Inf.	25	July 1	July 29	Daily	9	25.00
44	Diseases of the Ear [1 7]	Dr. Crockett	Eye and Ear Inf.	27	Aug. 1	Aug. 31	Daily	9	25.00
45	Anatomy of the Ear [2 13]	Dr. Hammond	Medical School	24	June	Sept.			25.00
46	Diseases of the Ear [2]	Dr. Hammond	Eye and Ear Inf.	25					25.00
47	Diseases of the Eye [1]	Dr. Cheney	Eye and Ear Inf.	21	June 13	July 29	Tu. Th. Sat.	9	20.00
48	Diseases of the Eye [1]	Dr. Jack	Eye and Ear Inf.	21	June 13	July 29	Mo. We. Fr.	9	20.00
49	Diseases of the Nose and Throat	Dr. Farlow	City Hospital	12	June 3	June 29	Mo. We. Fr.	10	20.00
50	Diseases of the Mind [2 18]	Dr. Fisher	Medical School	12	July	July			20.00
51	Diseases of the Nervous System	Dr. Walton	Mass. Gen. Hosp.	13	Sept. 1	Sept. 29	Tu. Th. Sat.	1	20.00
52	Diseases of the Nervous System [2 8]	Dr. Taylor	Medical School	19	July 2	A ug.13	Tu. Th. Sat.		25.00
53	Diseases of the Nervous System [2]	Dr. Taylor	Medical School [9]	20	July 1	Aug. 15	Mo. We. Fr.		25.00
54	Diseases of the Skin	Dr. Bowen	Mass. Gen. Hosp.	13	July 1	July 29	Tu. Th. Fr.	9.30	15.00

55	Diseases of the Skin	Dr. Bowen	Mass. Gen. Hosp.	14	Sept. 1	Sept. 30	Tu. Th. Fr.	9.30	15.00
56	Hygiene [17]	Dr. C. Harrington	Medical School	36	July 1	Aug. 11	Daily	3	30.00
57	Municipal Sanitation [17]	Dr. Durgin	Medical School	13	July 1	July 29	Mo. We. Fr.	3	20.00
58	Anatomy [21]	Dr. Thomas Dwight	Medical School	15	July 11	July 29	Daily except Sat	12.15	20.00
59	Orthopedic Surgery	Dr. Bradford	Children's Hosp.	17	July 6	Aug. 31	Mo. We.	4	20.00
60	Pathological Histology	Dr. Magrath	Medical School	24	Aug. 1	Aug. 29		2	25.00

[1] Class-membership limited.
[2] Details relating to time to be arranged later.
[7] Each exercises is of two hours' duration.
[8] Introductory exercises on the Anatomy of the Central Nervous System.
[9] And at Long Island Hospital.
[10] A course will be of six weeks' duration, and the class may be joined at any time before June 23.
[11] A course will be of six weeks' duration, and the class may be joined at any time before August 25.
[12] A course will be of seven weeks' duration.
[13] Includes practice in mastoid and middle ear operations on the cadaver.
[15] To a class of not less than three students.
[18] To a class of not less than six students.
[21] Topographical and Applied Anatomy of the head and trunk; for men only.

PRIZES.

Boylston Medical Prizes. — These prizes, which are *open to public competition*, are offered annually for the best dissertations on questions in medical science proposed by the Boylston Medical Committee.

At the annual meeting in Boston in 1898, a prize was awarded to Guy Hinsdale, M.D., of Philadelphia, Penn., for an essay on *Acromegaly*.

For 1899 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The Results of Original Investigations in the Psychology of Mental Disease.*

Dissertations on these subjects must be sent post-paid to W. F. Whitney, M.D., Harvard Medical School, Boston, Mass., on or before *January 1, 1899.*

For 1900 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The method of Origin of Serpentine Arteries and the Structural Changes to be found in them. Their Relation to Arterio-capillary Fibrosis, Obliterating Endarteritis and to Endarteritis Deformans.*

Dissertations on these subjects must be sent to the same address as above on or before *January 1, 1900.*

In awarding these prizes preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of its author's name some sentence or device, and must be accompanied by a sealed packet bearing the same sentence or device, and containing within the author's name and residence. *Any clew by which the authorship of a dissertation is made known to the committee will debar such dissertation from competition.*

Dissertations must be written in a distinct and plain hand, and their pages must be bound in book form.

All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the Secretary was directed to publish annually the following votes: —

1. That the Board do not consider themselves as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.

2. That in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows, and consists of the following physicians: Robert T. Edes, M.D., *President;* William F. Whitney, M.D., *Secretary;* H. P. Bowditch, M.D., Frank W. Draper, M.D., J. Collins Warren, M.D., Samuel G. Webber, M.D., F. H. Williams, M.D., Edward S. Wood, M.D.

The address of the *Secretary* of the Boylston Medical Committee is William F. Whitney, M.D., Harvard Medical School, Boston, Mass.

William H. Thorndike Prize. A prize of $200 will be given annually to the author of the best essay on some subject in any branch of Surgery.

The students of the Harvard Medical School and graduates of under five years' standing of any recognized medical school are eligible in competition for this prize.

Each essay must bear in place of its author's name some sentence or device, and must be accompanied by a sealed packet bearing the same sentence or device, and containing within the author's name and residence. If the author is a graduate, it must also contain the date of his graduation in medicine and the medical school from which he was graduated. Any clew by which the authorship of an essay is made known to the judges will debar such essay from the competition.

The essays must be sent to the Dean of the Harvard Medical School, 688 Boylston Street, Boston, Mass., U. S. America, on or before November 1 of each year, and the award will be made annually on December 24. If no essay is considered worthy of a prize, no award will be made.

Anatomical Prize, Professor C. B. Porter offers a prize of $50, open to all students, and graduates of not more than five years' standing, except teachers of anatomy, for the best dissection deserving the award illustrative of surgical anatomy, the specimen to be presented to the Museum.

Otological Prize. For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, a prize of $25 is offered, open to fourth-year students.

Other Prizes. The Bowdoin, Dante, Toppan and Sumner Prizes offered by the Faculty of Arts and Sciences, are open to students in all departments of the University. Full particulars in regard to these prizes may be found on pages 437–444 of the University Catalogue, 1897–98.

DEGREES.

On Commencement Day, June 29, 1898, degrees were conferred as follows: —

M.D. (*cum laude.*)

Atkinson, Roger Trowbridge, A.B.
Balch, Alfred William, PH.G.
Beebe, Arthur Appleton, A.B.
Birge, Russell Hall, A.B.
Brown, Alphonso Bickford, A.B.
Brownrigg, Albert Edward, M.D.
Butler, Charles Shorey, A.B.
Cabot, Hugh, A.B.
Clap, Edmund Wright, A.B.
Crandon, Le Roi Goddard, A.B.
Cronin, Michael John.
Cummings, Frederic Russell.
Currier, William Eugene, A.B.
Davis, Lincoln, A.B.
Dearborn, Sam Starrett, A.B.
Drake, Arthur Knowlton.
Dray, Frank Raymond, A.B.
Duckering, William West.
Emerson, Ernest Benjamin.
Fischer, Oscar Edward.
Fitzgerald, Maurice Edward, Jr.
Germain, Harry Homer.
Griffin, Clifford Henry, A.B.
Grimes, James Henry.
Hamilton, Walter.
Hancock, John Clifford, A.B.
Hartwell, Harry Fairbanks, A.B.
Harvey, William Wirt.
Hayes, Albert Edwin.
Hinchey, Richard.
Howe, Walter Clarke, A.B.
Huntington, Alfred Thomas.
Johnson, Walter Sydney, A.B.
Kahn, Maurice Guthman.
Kennedy, Harris, A.B.
Ladd, Maynard, A.B.
Mackay, Edward Hart.
Magrath, George Burgess, A.B.
May, William Ropes, A.B.
McAllister, Frederick Danforth, A.B.
Moore, James Spencer, A.B.
Musgrave, Percy, A.B.
Perry, Edgar, A.M.
Pierce, George Burgess, A.B.
Provandie, Paul Hector.
Ross, Lucretius Henry, A.M.
Rounds, Albert Waterman.
Small, Richard Dresser, A.B.
Thompson, Richard Henry, S.B.
Turner, Charles Humphrey, A.B.
Walker, David Harold.
Watson, Frank Gilman.
Weil, Arthur Irving.
Weis, Joseph Deutsch.
Williams, Hugh, A.B.
Woods, Frederick Adams.
Wormelle, Charles Burton.

M.D.

Bacon, Theodore Spaulding, S.B.
Bailey, Walter Channing, A.B.
Beal, Howard Walter.
Bonney, Robert.
Buck, Maurice Allan.
Burns, Frederick Stanford.

Cary, Foster Harrington.
Clough, Frank Herbert.
Collin, Carl Oscar Louis.
Collins, William James.
Crawford, Francis Xavier, A.B.
Cutler, Charles Newton.
Donlan, Charles Edwin.
Donohoe, George.
Dorgan, Joseph Aloysius.
Dowd, Edward Francis, A.B.
Downey, William Henry, A.B.
Ellis, William Raymond.
Field, Harvey Adams.
Forbes, Edwin Bannister.
Forrest, Robert Francis.
Gallagher, Thomas Morton.
Gibbons, Sherwin, A.B.
Hardy, Theodore Everett.
Hartnett, Edward Daniel.
Healy, Daniel Lawrence, A.B.
Howard, Eugene Henry, A.B.
Hudnut, Paul Albert.
Hyde, Frederick Tanquary.
Keate, Walter.
King, Myron Louis.
Lees, Rush Oliver.
Leonard, Edwin, Jr.
McGann, John Henry.
Mackie, William Charles, A.B.
Mahoney, Cornelius James.
Manix, Edward Tuck.
Mansur, Leon Wallace.
Miller, James.
Morrill, Sibley Gage.
Newton, Edward Roswell, M.D.V.
O'Brien, Walter John Leo.
Parker, Edward Grahame.
Peirce, Frederic Joseph.
Peirce, George Alphonso.
Pike, Forrest Fay.
Prevaux, John Jacob.
Proctor, Joseph Whipple.
Ramachandrayya, Prabala, A.B., M.D.
Reagh, Arthur Lincoln, S.B.
Rideout, Herman Leslie.
Rose, William Henry.
Ryder, Charles Edward.
Scoboria, Arthur Gilmore, M.D.
Southwick, George Rinaldo, M.D.
Stack, Charles Francis, A.B.
Stepp, Jacob, Jr.
Sturdivant, Guy Waldron.
Sughrue, Dennis Francis.
Sweet, John Henry, Jr.
Truesdale, Philemon Edwards.
Underhill, George Herbert, M.D.
Ward, Parker Myles.
White, Michael William, A.B.
Wilson, Charles Frederick, M.D.
Yost, John Dixon.

M.D. (*Three years' course.*)

Ingoldsby, Joseph Emmanuel.

Out of Course.

Austin, Arthur Everett, A.B., as of Class of 1887.

The following Tabular View illustrates the distribution of studies throughout the year

1898-99, FROM OCTOBER TO FEBRUARY 1.

First Class.—First Term.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Anatomy, L. Prof. Dwight. Lect.-room C.	Anatomy, L. Prof. Dwight. Lect.-room C.	Anatomy, L. Prof. Dwight. Lect.-room C.	Anatomy, L. Prof. Dwight. Lect.-room C. till January.	‡Anatomy, L. Asst. Prof. Dexter. Lect.-room C.	‡Anatomy, L. Asst. Prof. Dexter. Lect.-rm. C.
10		Histology. L. Prof. Minot.	Histology. Laboratory. § 2.	Physiological Chemistry, L. Prof. Hills. Lect.-room A.	Histology. Laboratory. § 2.	Physiol. R. Prof. Bowditch. Lect.-rm. A.
11	Physiology. L. Prof. Bowditch. Lect.-room A.			Bacteriology, L. Prof. Ernst. Beginning Jan. 1.		
12	Anatomy, R. Dr. Tenney. Lect.-room C.	Physiological Chemistry, L. Prof. Hills. Lect.-room A.		Physiology. L. Prof. Bowditch. Lect.-room A.		*Laborat'y.
2	*Laboratory.	Histology. Laboratory. § 1.	*Laboratory.	Histology. Laboratory. § 1.	*Laboratory.	*Laborat'y.
3						
4						
5	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	

* Anatomy, Bacteriology, Chemistry, and Physiology.
† Oct. Nov. Dec. in sections.
‡ After November.

L. Lecture.
R. Recitation.
C. Conference.
Dem. Demonstration.
Cl. Clinic.

B.C.H. = Boston City Hospital; Disp. = Boston Dispensary; M.G.H. = Massachusetts General Hospital; Free Hosp. = Free Hospital for Women.
These abbreviations refer to the following as well as to the above tables.
The Museum will be open daily, 9-5, except Saturdays, 9-1.

The following Tabular View illustrates the distribution of studies throughout the year

1898–99, FROM FEBRUARY TO JUNE.

First Class. — Second Term.

	Mondy.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9		Physiology, Conf. Prof. Bowditch. Lect.-room A.				Anatomy, L. Asst. Prof. Dexter. Lect. R'm C.
10	Bacteriology L. Prof. Ernst.				Anatomy, L. Asst. Prof. Dexter. Lect.-room C.	Physiol. R. Prof. Bowditch. Lect. R'm A.
11	Physiology, L. Prof. Bowditch. Lect.-room A.				Physiology, L. Prof. Bowditch. Lect.-room A.	
12	Anatomy, R. Dr. Tenney. Lect.-room C.	Physiology, L. Prof. Bowditch. Lect.-room A.	Physiological Chemistry, L. Prof. Hills. Lect.-room A.	Physiology, L. Prof. Bowditch. Lect.-room A.		*Laborat'y.
2	*Laboratory.	*Laboratory.	*Laboratory.	*Laboratory.	†Laboratory.	
3						
4						
5	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.	†Anatomy Dem.

* Anatomy, Bacteriology, Chemistry, and Physiology. Till January.
† April and May in sections.

L. Lecture.
R. Recitation.
C. Conference.
Dem. Demonstration.
Cl. Clinic.

B.C.H. = Boston City Hospital; Disp. = Boston Dispensary; M.G.H. = Massachusetts General Hospital; Free Hosp. = Free Hospital for Women.
These abbreviations refer to the following as well as to the above tables.
The Museum will be open daily, 9–5, except Saturdays, 9–1.

Second Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8	†Surg. Apparatus and Bandaging. Dr. Munro, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Munro, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Munro. No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Munro. No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Munro. No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Munro, N. Grove St.
9	Clin. Med. Dr. Vickery, M. G. H.	†Theory and Practice. R. Dr. Cutler, M. G. H. 2d term at 10. ‡Med. Visit. Drs. Gannett & Vickery, M. G. H.	‡Med. Visit. Prof. Mason & Dr. Withington, B. C. H.	‡Med. Visit. Prof. Mason & Dr. Withington, B. C. H.	‡Med. Visit. Drs. Gannett & Vickery, M. G. H.	Clin. Med. Dr. Withington, B. C. H.
10	*Auscultation Drs. Gannett, V. Y. Bowditch, Knight and Sears, M. G. H., Bost. Disp., & B. C. H.	*Auscultation †Surg. Pathol. R. Dr. C. A. Porter, M. G. H. and Lect. Room C.	*Auscultation	*Auscultation	*Auscultation	‡Surg. Pathol. Clin. Dem. Asst. Prof. Burrell and Dr. Nichols, B. C. H
11	*Auscultation ¶ Autopsies, B. C. H. and M. G. H.	*Auscultation ¶ Autopsies, B. C. H. and M. G. H.	*Auscultation ¶ Autopsies, B. C. H. and M. G. H.	Anatomy L. Asst. Prof. Dexter till Jan., Prof. Dwight in 2d term. Lect. Room C.	*Auscultation B. C. H. Operations. ¶ Autopsies, B. C. H. and M. G. H.	*Auscult. M. G. H. Operations. ¶ Autopsies, B. C. H. and M. G. H.
12	Pathology. R. Prof. Councilman, Laboratory.	Anatomy, L. Asst. Prof. Dexter till Jan., Prof. Dwight in 2d term, Lect. Room C.		†Surg. Pathol. R. Dr. C. A. Porter. Lect. Room C.	‡Anat. L. Prof. Dwight, Lect. Room C.	
2	‖Path. Histol. Asst Prof Mallory, Laborat.	Clin. Chem. L. Prof. Wood, Lect. Room A.	‖Path. Histol. Asst Prof Mallory, Laborat.	Clin. Chem. †L. or R. Prof. Wood, Lect. Room A. ‡L. or Conference.		
3	**Surg. Pathol. Dr. Nichols, Laborat.	Pathology, L. Prof. Councilman, Lect. Room C.	**Surg. Pathol. Dr. Nichols, Laborat.	Pathology, L. Prof. Councilman, Lect. Room C.	Pathology. Dem. Prof. Councilman, Laboratory.	
4	Therapeutics. Dr. Pfaff. Lect.-room A.	‖Path. Histology. Asst. Prof. Mallory. Laboratory. ‡Pathology of Nervous System. L. & Dem. Dr. Taylor. Lect. Room A.	Therapeut's. Dr. Pfaff. Lect. Room A.	‖Path. Histology. Asst. Prof. Mallory. Laboratory.	Theo. & Pr. R. Dr. Cutler, Lect. Room A.	

* Till February in sections. † In first half-year. ‡ In second half-year.
§ In second half-year in sections. ¶ In sections of a third of the class.
‖ Till March 1. ** After March 1.

Laboratory exercises in Clin. Chem. daily except Saturdays.
The Museum will be open daily, 9–5, except Saturdays, 9–1.

Third Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	†Gynaecology, L. or R. No. Grove St.	Clin. Med. B. C. H.	Clin. Med. M. G. H.	†Gynaecology, L. or R. No. Grove St. Neurology, M. G. H. (2d half-year).	Clin. Med. B. C. H.	Clin. Med. M. G. H.
10	Neurology, M. G. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	Clin. Surg. B. C. H. *Cl. Gynaecol. B. C. H. *Clin. Surg. M. G. H. & B. C. H.	Cl. Dermatol. M. G. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	Surgery. M. G. H. *Cl. Gynaecol. B. C. H. *Clin. Surg. M. G. H. & B. C. H.	Clin. Surg. B. C. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	Theory and Practice, M. G. H. *Pediatr's, Disp. and Child. Hosp. *Cl. Gynaecology. B. C. H. *Clin. Surg. M. G. H. & B. C. H.
11			Pediatrics. Infants' Hosp. or No. Grove St. *Cl. Obstet. Jan. — May.	Theo. & Pract. M. G. H. †Pediatrics, Contag. Dis. B. C. H.	Operations, B. C. H. †Pediatrics, Contag. Dis. B. C. H.	Operations, M. G. H. *Cl. Obstet. Jan.—May. †Pediatrics, Contag Dis. B. C. H.
11½	Pediatrics, Med. Sch. or Child. Hosp.	Pediatrics, Med. Sch. or Child. Hosp.				
12			*Clin. Surg. M. G. H.	Clin. Surg. Conf. M. G. H.	Obstetrics, R.	
2						
3	Obstetrics, L.	Theo. & Pract. L.	Obstetrics. Conf.	Obstetrics, L.	Theo. & Pract. L.	
4	Surgery, L.	Dermatology, L.	Surgery, L.	Mental Dis. L. Feb. — May.		

* In sections.
† First half-year.
The Museum will be open daily, 9–5, except Saturdays, 9–1.

FOURTH CLASS. — OCTOBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.		Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's diseases* B. C. H.		J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	C. M. Green — Clinic. *Women's diseases* B. C. H.	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Monks — Clin. Lect. Clinical Surgery (c) B. C. H.	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
		Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
11	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour.)	Coolidge — Clinic. Throat diseases (s) M. G. H.
	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)
	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
	Putnam — Clinic. *Neurology* M. G. H.	C. B. Porter — Clinic. Diagnosis in Clinical Surgery (s) M. G. H.		Walton — Clin. Lect. *Nervous diseases* M. G. H.	Surgical oper. (c) B. C. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. dis. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours.)		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)		W. T. Porter — Lab. *Exper, Physiol.* M. S. (2 hours)	
		Whitney — Lab. Clin. Microscopy M. S.		Whitney — Lab. Clin .Microscopy M. S.	Whitney — Lab. Clin. Microscopy M. S.	
	Ernst — Lecture. *Bacteriology* M. S. (2 hours)		Ernst — Laboratory. *Bacteriology* (s) M. S. (2 hours)		Ernst — Lab. *Bacteriology* M. S. (2 hours)	
3	Hammond — Rect. Anat. of Ear (s) M. S.	Draper — Lecture. Legal Medicine (c) M. S.	Hammond — Rect. Anat. of Ear (s) M. S.	Draper — Lecture. Legal Medicine (c) M. S.	J. O. Green — Lect. Otology (c) Oct. 7. M. S.	
4	Blake — Lecture. Otology (c) M. S.	J. O. Green — Lect. Otology (c) Oct. 11. M. S.	Wadsworth — Lect. Ophthalmology (c) M. S.	Blake — Lecture. Otology (c) M. S.		Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Bradford — Lecture. Orthopedic Surg. (c) M. S. or Ch. H. After Oct. 6. Except Oct. 11.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.		Clinical Conference. M. S.	
5	M. H. Richardson. Regional Surgery Lect. Room C.	Monks — Lecture. *Surg. landmarks* (c) M. S.	M. H. Richardson. Regional Surgery Lect. Room C.	DeBlois — Lecture. Laryngology (c) M. S.	Monks — Lecture. *Surg. landmarks* M. S.	
7.30	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.

(c) Class. (s) Section of the class. Electives are in *italics*.

NOVEMBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	J. O. Green — Clinic. Ear Diseases (s) E. & E. Inf. (2 hrs.)	Surg. Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's diseases* B. C. H.		J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear. Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Monks — Clin. Lect. Clinical Surgery (c) B. C. H.	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H.
		Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
	Surg. Clinic (c) M. G. H.					
11	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	
	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)
	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
	Putnam — Clinic. *Neurology* M. G. H.		C. B. Porter — Diagnosis in Clinical Surgery (s) M. G. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.	Surgical oper. (c) B. C. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours).		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
		Whitney — Lab. Clin. Microscopy M. S.		Whitney — Lab. Clin. Microscopy M. S.	Whitney — Lab. Clin. Microscopy M. S.	
	Ernst — Lecture. *Bacteriology* M. S. (2 hours)		Ernst — Lab. *Bacteriology* M. S. (2 hours)		Ernst — Lab. *Bacteriology* M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	J. O. Green — Lect. Otology (c) M. S.	Bradford — Lecture. Orthopedic Surg. (c) M. S. or Ch. H.	Wadsworth — Lect. Ophthalmology (c) M. S.	J. O. Green — Lect. Otology (c) M. S.	Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.		Bradford — Clinic. Orthopedic Surg. (s) Ch. H.			
5	C. M. Green — Lect. and Demonstration in *Oper. Obstetrics* M. S.	†C. B. Porter. *Dem. Oper. Surg.* M. S.	M. H. Richardson. Regional Surgery. Lect. Room C.	DeBlois — Lecture. Laryngology (c) M. S.	C. B. Porter. *Dem. Oper. Surg.* M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M.G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

Pr i ional. † Repetition courses by the students will take place in the evening at the Medical School at hours to be announced.

DECEMBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Med. (c) M. G. H.	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's diseases* B. C. H.		Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)		Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.).
10	Wadsworth — Clinic. Eye diseases (s) E. & E. Inf. (2 hrs.)	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
		Bowen — Clinic. *Skin diseases* M. G. H.		Burrell — Lecture. Clin. Surgery (c) B. C. H.	Bowen — Clinic. *Skin diseases* M. G. H.	
	Surgical Clinic (c) M. G. H.					
11	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Laryngology (s) M. G. H. (1 hour)
	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)	Farlow — Clinic. Throat diseases (s) B. D. (1 hour)
	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surg. Clinic (c) B. C. H.	Post — Clinic. Syphilis (c) B. D.	Surgical oper. (c) M. G. H.
	Putnam — Clinic. *Neurology* M. G. H.			Walton — Clin. Lect. *Nervous diseases* M. G. H.	Surgical oper. (c) B. C. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		C. B. Porter. Diagnosis in Clin. Surgery (s) M. G. H. Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours).	
		Whitney — Lab. Clin. Microscopy M. S.		Whitney — Lab. Clin. Microscopy M. S.	Whitney — Lab. Clin. Microscopy M. S.	
	Ernst — Lecture. *Bacteriology* M. S. (2 hours)		Ernst — Lab. *Bacteriology* M. S. (2 hours)		Ernst — Lab. *Bacteriology* M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	Blake or J. O. Green — Lecture. Otology (c) M. S.	Bradford — Lecture. Orthopedic Surg. (s) M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Blake or J. O. Green — Lect. Otology (c) M. S.	Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s). Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.		Wadsworth — Lect. Ophthalmology (c) M. S.			
5	C. M. Green — Lect. and Demonstration. *Oper. Obstetrics* M. S.	C. B. Porter. *Dem. Oper. Surg.* M. S.	M. H. Richardson. Regional Surgery. Lect. Room C.	DeBlois — Lecture. Laryngology (c) M. S.	C. B. Porter. *Dem. Oper. Surg.* M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

JANUARY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's diseases* B. C. H.		Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)		Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf. Jack — Clinic. B. C. H.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
		Bowen — Clinic. *Skin diseases* M. G. H.		Burrell — Lecture. Clinical Surgery (c) B. C. H.	Bowen — Clinic. *Skin diseases* M. G. H.	
	Surgical Clinic (c) M. G. H.					
11	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Throat diseases (s) M. G. H. (1 hour)	Coolidge — Clinic. Laryngology (s) M. G. H.
	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
	Putnam — Clinic. *Neurology* M. G. H.		C. B. Porter — Diag. in Clinical Surg. (s) M. G. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.	Surgical oper. (c) B. C. H.	Walton — Clin. Lect. *Nervous diseases* M. G. H.

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours).		W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. Clin. Microscopy M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
		* Whitney — Lab. Clin. Microscopy M. S. (2 hours)			Whitney — Lab. Clin. Microscopy M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Bradford — Lecture. Orthopedic Surg. (c) M. S.	Wadsworth — Lect. Ophthalmology (c) M. S.		Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
			Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	M. H. Richardson. Regional Surgery. Lect. Room C.		
5	Demonstrations in *Oper. Obstetrics.* M. S. (2 hours).	M. H. Richardson. Regional Surgery. Lect. Room C.	Demonstrations in *Oper. Obstetrics* M. S. (2 hours).	DeBlois — Lecture. Laryngology (c) M. S.		
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

* The exercises during the 2d half-year will cover the requirements for the examination.

† Provisional.

FEBRUARY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	
	J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)	
10	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* M. G. H.	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Burrell — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* B. C. H.	
		Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
	Surgical Clinic (c) M. G. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.				
11						
			C. B. Porter. Diagnosis in Clinical Surgery (s) M. G. H.			Surgical oper. (c) M. G. H.
	Gannett — Clinic. Pract. Diagnosis (c) M. G. H.			Surgical Clinic (c) B. C. H.	Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.	McCollom. — Clinic. Infectious Dis. (s) B. C. H.		Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.	McCollom — Clinic. Infectious Dis. (s) B. C. H.	
	Knapp — Clinic. *Nervous diseases* B. C. H.		Knapp — Clinic. *Nervous diseases* B. C. H.			
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
					Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	
3	Cowles — Clinic. Mental diseases McL. H.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Durgin — Lecture. Municip. Sanita. M. S.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Durgin — Lecture. Municip. Sanita. M. S.	Lane — Clinic. Mental diseases B. I. H.
4	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Homans — Lecture. Ovar. Tumors M. S.	Harrington — Lect. Hygiene M. S.	Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.
		Gynecol. Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.			
5	Dem. *Oper. Obstetrics* M. S. (2 hours)	Harrington — Lect. Hygiene M. S.	Dem. *Oper. Obstetrics* M. S. (2 hours)		Harrington — Lect. Hygiene M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

MARCH.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	
	J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)	
10	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* M. G. H.	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Burrell — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* B. C. H.	
		Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
	Surgical Clinic (c) M. G. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.				
11						
				Surgical Clinic (c) B. C. H.		Surgical oper. (c) M. G. H.
	Gannett — Clinic. Pract. Diagnosis (c) M. G. H.		C. B. Porter. Diagnosis in Clinical Surgery (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.	McCollum — Clinic. Infectious Dis. (s) B. C. H.	Knapp — Clinic. *Nervous diseases* B. C. H.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.	McCollom — Clinic. Infectious Dis. (s) B. C. H.	
	Knapp — Clinic. *Nervous diseases* B. C. H.					
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy.* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
					Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	
3	Cowles — Clinic. Mental diseases. McL. H.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Durgin — Lecture. Municip. Sanita. (c) M. S.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Durgin — Lecture. Municip. Sanita. M. S.	Lane — Clinic. Mental diseases B. I. H.
4	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Homans — Lecture. Ovar. Tumors (c) M. S. (2 weeks)	Harrington — Lect. Hygiene M. S.	Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.
		Gynecol. Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.			
5		Harrington — Lect. Hygiene M. S.			Harrington — Lect. Hygiene. M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

APRIL.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's diseases* B. C. H.	Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)
		Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)		
10	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* M. G. H.	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Gay — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* B. C. H.	
	Surgical Clinic (c) M. G. H.	Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
		Bradford — Clinic. *Orthopedic Surg.* Ch. H.				
11						
			C. B. Porter. Lecture. Diag. in Cl. Surg. (s) M. G. H.	Surgical Clinic (c) B. C. H.		Surgical oper. (c) M. G. H.
	Gannett — Clinic. Pract. Diagnosis (c) M. G. H.				Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.	McCollom — Clinic. Infectious Dis. (s) B. C. H.	Knapp — Clinic. *Nervous diseases* B. C. H.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.	McCollom — Clinic. Infectious Dis. (s) B. C. H.	
	Knapp — Clinic. *Nervous diseases* B. C. H.					
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
					Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	
3	Cowles — Clinic. Mental diseases McL. H.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.		Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.		Lane — Clinic. Mental diseases B. I. H.
4	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Harrington — Lect. Hygiene M. S.	Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* C. H.
		Gynecol. Conference. M. S.				
5		Harrington — Lect. Hygiene M. S.			Harrrington — Lect. Hygiene. M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

MAY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.		Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.).
		C. M. Green — Clinic. *Women's diseases* B. C. H.		Blake — Clinic. *Ear diseases* E. & E. Inf. (2 hrs.)	C. M. Green — Clinic. *Women's diseases* B. C. H.	
10	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* M. G. H.	Wadsworth — Clinic. *Eye diseases* Eye & Ear Inf.	Burrell — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases.* B. C. H.	
	Surgical Clinic (c) M. G. H.	Bowen — Clinic. *Skin diseases* M. G. H.			Bowen — Clinic. *Skin diseases* M. G. H.	
		Bradford — Clinic. *Orthopedic Surg.* Ch. H.				
11						
			C. B. Porter. Diagnosis in Clinical Surgery (s) M. G. H.	Surgical Clinic (c) B. C. H.		Surgical oper. (c). M. G. H.
	Gannett — Clinic. Pract. Diagnosis (c) M. G. H.				Surgical oper. (c) B. C. H.	

12	Knapp — Clinic. *Nervous diseases* B. C. H.	McCollom — Clinic. Infectious dis. (s) B. C. H.	Knapp — Clinic. *Nervous diseases* B. C. H.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.	McCollom — Clinic. Infectious dis. (s) B. C. H.	
2	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* M. S. (2 hours)	
					Whitney — Lab. *Clin. Microscopy* M. S. (2 hours)	
3		Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Cooking School.	Smith — Lecture. *Comp. Et. Infec. Dis.* M. S.	Cooking School.	
4	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.	Harrington — Lect. Hygiene M. S.	Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* Ch. H.
		Gynecol. Conference. M. S.				
5		Harrington — Lect. Hygiene M. S.			Harrington — Lect. Hygiene M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

EXAMINATION PAPERS.

(Annual Examinations, 1898.)

First Year's Studies.

FIRST YEAR ANATOMY. — Professor Dwight.

1. Describe the orbit of the skeleton.
2. Describe the axillary artery, its relations and branches.
3. Describe the male urethra, including its structure.
4. Describe the superficial nerves of the cervical plexus.

PHYSIOLOGY. — Professor Bowditch.

[Number the answers to the questions without copying the questions themselves. Do not number the pages of the book. Answer the questions in order, writing on each page in succession.]

1. What does the feeling of hunger indicate?
2. Describe briefly the digestion and absorption of proteid foods.
3. How may the relative volume of the blood-globules and the blood-plasma be determined?
4. Of what importance is the elasticity of the arteries?
5. Explain the relation between the size of an animal and its power of locomotion.
6. What are the most important functions of the cilia?
7. What is meant by the "internal secretion" of glands? Give examples.
8. Give evidence that the katabolism associated with nerve activity must be very slight.
9. What is the effect on the higher animals of an extensive destruction of the cerebral cortex?
10. What are the functions of the retinal rods and cones?
11. What are the respiratory functions of the nose?
12. Explain the significance of the "vital capacity."
13. Describe an experiment to demonstrate the "refractory period" of the heart.
14. Describe an experiment to show the difference between the anterior and the posterior spinal roots.

PHYSIOLOGICAL CHEMISTRY. — Professor W. B. Hills.

1. Glycogen. Occurrence? Physical and chemical properties?
2. Albumoses. Varieties? Characteristic chemical properties?
3. What are nucleins? Nucleo-proteids? How do they differ from each other?
4. Describe in detail the chemical changes which starch undergoes during the process of digestion and absorption.
5. Compare proteolysis by pepsin-acid, and proteolysis by trypsin.
6. Describe the important chemical processes which take place in the large intestine.
7. Composition of biliary calculi? Analysis?
8. Describe Teichmann's (haemin) test. How may this test be applied for the detection of blood pigment in urine?
9. Test for acetone? Di-acetic acid?
10. Microscopic characteristics of cystin; cholesterin; tyrosin; bilirubin; haematoidin?

HISTOLOGY. — Professor C. S. Minot.

[The specimens numbered to correspond with the questions below are given to each student. Students are expected to make simple drawings, sufficient to show that they have correctly identified the parts.]

The sections given were: — 1, Liver of pig; 2, Human bone; 3, Epididymis of dog.

1. What is the organ? Sketch from the preparation the arrangement of the blood vessels, and indicate the course of the circulation.
2. Draw the preparation. Name all the parts.
3. Draw and name all the tissues, which you can distinguish in the section.

BACTERIOLOGY. — Professor Ernst.

1. What characteristics are to be noted in the examination of the colonies in plate cultures?
2. What is Gram's method of staining, and why is it of value?
3. What are the appearances of the bacillus of tuberculosis under cultivation? Describe the methods of staining.
4. What are the anaërobic bacteria? Describe one.

Second Year's Studies.

SECOND YEAR ANATOMY. — Professor Dwight.

1. The changes in the skeleton of the face after birth.
2. The shape, direction, and relations of the external auditory meatus.
3. The relations of the palmar arches, the palmar synovial sheaths, and the metacarpo-phalangeal joints, to the palmar surface of the hand.
4. The inguinal canal.
5. The position and peritoneal relations of the cæcum and vermiform appendix, and their variations.

PATHOLOGY. — Professor Councilman.

1. Describe mode of origin and termination of tuberculous pneumonia. Character of exudation.

2. Describe the mode of formation of a typhoid ulcer of the intestine.

3. What are the two chief forms of leucaemia? What lesions of the blood and other organs are found in each?

4. Describe the lesions in the aorta in arterio-sclerosis.

5. How does chronic inflammation of the mitral valve lead to stenosis? What effect on the heart and circulation is produced by stenosis of the mitral valve?

6. Describe character and mode of formation of the diphtheritic membrane in the trachea due to the diphtheria bacillus.

7. Describe character and source of cells in chronic inflammation.

8. Compare a carcinoma originating in the mammary gland with one originating in the skin.

9. What tissues are affected in amyloid infiltration of the kidney? What lesions of the kidney accompany this?

10. What are the general macroscopic characteristics of a malignant tumor?

THERAPEUTICS. — Dr. Harrington.

1. What is the action of Fel Bovis? Mention the uses of Mustard, and give the methods of application.

2. Describe the action of Digitalis in mitral stenosis. Write a prescription for the tincture; for the infusion.

3. How does it come about that the administration of vegetable acids and of their compounds causes the urine to become alkaline? How does Ammonia, taken internally, affect the reaction of the urine, and why?

4. Action of Atropine on the circulation, temperature, secretions, and pupil. Write a prescription for Sulphate of Atropine combined with Sulphate of Morphine.

5. Describe: Chloral; Senna; Bromide of Potassium; Sulphonal; Reduced Iron.

6. Write prescriptions for the following, avoiding abbreviations of official names, with directions for use. (1) Cod-liver oil. (2) Compound Rhubarb pills. (3) Four ounces of an aqueous solution of Bromide of Potassium, five grains to the drachm. (4) Chloral. (5) Compound Licorice powder.

7. Action of Pilocarpine. When is it indicated?

8. Methods of applying dry heat locally. What is Pelletierine and for what is it used? Mention five preparations of Opium and their doses. Composition of compound powder of Jalap.

9. Action of Ergot. Treatment of Phosphorus poisoning.

10. What action has Alcohol on digestion, circulation, temperature, and sweat secretion? What is the alcoholic strength of Whisky, Brandy, and Red wine?

CLINICAL CHEMISTRY. — Professor Wood.

1. Give the color and the quantity of the urine in the different stages of the different forms of kidney disease.

2. What is the absolute quantity of urea in the different forms of renal disease?

3. Character of the urine and sediment in cases of subacute glomerular (chronic parenchymatous) nephritis?

4. How distinguish by examination of the urine between a case of chronic diffuse nephritis and one of convalescence from acute nephritis when the daily quantity of urine is about 2000 cc.?

5. Discuss the following specimens giving reasons for the inferences which may be drawn from them: —

Case A.

Slightly pale. Acid. Sp. Gr. = 1009. Slight sediment.

Uph. = —.	$\overset{+}{U}$. = 1.01%.	Cl. = —.	E. P. = —.
Ind. = sl. +	$\overline{U}$. = n.	Sf. = n.	A. P. = —.

Very slight trace of albumin. No bile or sugar.

Sediment = an occasional hyaline and granular cast of medium and large diameter, some with an occasional oil globule adherent.

Quantity of urine in 24 hours = 2350 cc.
" " urea " = 23.735 grms.
" " chlorine " = 3.135 "
" " P_2O_5 " = 1.55 "

6. Case B.

Pale. Acid. Sp. Gr. = 1013. Slight sediment.

Uph. = —.	$\overset{+}{U}$. = 1.13%.	Cl. = —.	E. P. = —.
Ind. = +.	$\overline{U}$. = —.	Sf. = —.	A. P. = —.

Albumin = $\frac{1}{25}$%. No bile or sugar.

Sediment = numerous hyaline, fine- and coarse-granular casts, and few waxy casts. Some casts with few oil globules and granular renal cells adherent.

Quantity of urine in 24 hours = 500 cc.
" " urea " = 5.65 grms.
" " chlorine " = 4.12 "
" " P_2O_5 " = 1.32 "

7. Describe the several degenerative and regenerative forms of red corpuscle as they occur in conditions of anaemia.

8. Symptoms and post-mortem appearances in cases of hydrocyanic acid poisoning?

Third Year's Studies.

OBSTETRICS. — Professor W. L. Richardson.

1. What changes in the child's circulation follow its birth?

2. What is the significance of a bloody uterine discharge during pregnancy? Treatment of the various conditions?

3. Symptoms and treatment of the retroverted incarcerated pregnant uterus?

4. Presuming that no drugs have been given to affect the temperature, what are the distinctive differences between the temperature and pulse chart in a case of puerperal septic infection, and the chart of a puerpera affected with hysteria or other emotional disturbance?

5. What is the normal mechanism of delivery in a face presentation M.D.P.?

6. In a multiparous first stage labor, the head presenting, O.D.P., but not engaged, the membranes rupture when the os uteri is half dilated, and the pulsating funis prolapses. Treatment?

7. State briefly, in the order you would choose with reasons for your choice, the methods for delivery of a low, extended and unrotated O.D.P.

8. A primipara has been eighteen hours in labor. Pulse 100 and of good quality. Foetal heart 160 and slowly rising. Os three-fourths dilated and dilatable. Head presenting O.L.A., but not through the superior strait. Membranes ruptured. The pelvis is of the justo-minor type with a true conjugate of three and one half inches. Discuss treatment.

9. The third stage of labor has ended. Symptoms and treatment of internal concealed haemorrhage?

10. Treatment of post-partum eclampsia?

SURGERY. — Professor WARREN.

1. Describe the formation of a carbuncle, giving the etiology, pathology and treatment.
2. What are some of the complications which accompany or follow fracture of a bone?
3. Give the treatment of fracture of the patella.
4. Traumatic dislocation of the hip joint: give varieties and method of reduction.
5. Effects of gunshot injury by modern army bullet. General principles of treatment.
6. Fracture of the spine in the lower dorsal region. Symptoms and prognosis.
7. Describe the method of resuscitating the apparently drowned.
8. General septic peritonitis: causes, symptoms and treatment.
9. What is an odontoma? Give one or two examples.
10. Ischio-rectal abscess: causes and treatment.

THEORY AND PRACTICE. — Professor FITZ.

1. The diagnosis and treatment of chlorosis.
2. The symptoms of myxoedema and the precautions to be taken in its treatment.
3. The nature of the evidence upon which the infectious origin of acute articular rheumatism is based.

4. The diagnosis of locomotor ataxia in the preataxic stage.
5. The indications for paracentesis of the pericardium and the method of procedure.
6. The symptoms of angina pectoris and its treatment.
7. The conditions under which certain of the physical signs of acute pleurisy may simulate those of acute pneumonia.
8. The limitations to the use of the stomach tube.
9. The diagnosis of gall stones in the common bile duct.
10. The significance of movable kidney.

DERMATOLOGY. — Professor White.

1. Describe the anatomy of the skin.
2. Urticaria.
3. Treatment of psoriasis.
4. Impetigo contagiosa.
5. Varieties of cutaneous tuberculosis.

DISEASES OF CHILDREN. — Professor Rotch.

1. Discuss the following case as to diagnosis, prognosis and treatment:

A boy, seven years old, was exposed to a contagious disease. Four days later he was seized with nausea, vomiting and sore throat. The throat was much reddened; the temperature was 104° F.; the pulse was 120; the respirations were natural. Thirty-six hours later a punctate erythema appeared on the neck and chest. The urine at this time was somewhat decreased in amount, darker than normal and contained a slight trace of albumin, but showed nothing else abnormal.

In the following week the temperature gradually fell by lysis to normal and the urine by the end of the week was entirely normal, except that it was now increased in amount. In the following week there was desquamation of a lamellar variety. One week later the temperature began to rise and he then had dyspnoea, puffiness of the eye lids and oedema of the feet and ankles. At this time an examination of the thorax showed nothing abnormal except a few fine moist râles at the base of both lungs behind. An examination of the urine now showed a decided diminution in amount, color darker than normal, specific gravity 1020, albumin $\frac{4}{10}$ per cent, sugar absent; numerous casts, some with blood and epithelium adherent; considerable blood. Later in the disease all the symptoms increased in severity, the dyspnoea amounting to orthopnoea and the oedema involving the face, arms, legs and abdomen; there was also at this time cyanosis, extensive ascites and fine moist râles throughout all parts of both lungs, but resonance on percussion.

The area of cardiac dulness was now found to extend under the lower two thirds of the sternum and one inch to the left of the left mammary line as low as the sixth interspace. A loud systolic murmur was heard over the region of the cardiac impulse and was transmitted so that it could be heard in every part of the thorax.

2. Give the rules for the care of premature infants.

3. Write a prescription for feeding with modified milk an infant of average weight, four months old.

4. Describe a case of hereditary syphilis in the first four weeks of life.

5. The causes and treatment of convulsions in infancy?

6. The diagnosis, symptoms, prognosis and treatment of Scorbutus in infancy.

GYNAECOLOGY. — Asst. Professor DAVENPORT.

1. Describe the pelvic peritoneum.
2. Treatment of gonorrhoeal vaginitis.
3. Describe the symptoms caused by uterine fibromata.
4. Differential diagnosis between acute salpingitis, ovarian abscess, and extra-uterine pregnancy.
5. Symptoms and treatment of acute urethritis.

NEUROLOGY. — Professor PUTNAM.

1. What are neurons and in what relation do they stand to one another as regards the transmission of impulses and the transmission of disease?

2. What are the neurons which are principally concerned in giving the brain its relatively large size; and to what function do they correspond?

3. What are the usual causes and clinical results of: (*a*) extra-dural haemorrhage; (*b*) subdural haemorrhage; (*c*) pial [venous] haemorrhage; (*d*) cortical haemorrage; (*e*) lenticulo-striate haemorrhage; (*f*) haemorrhage breaking into the cerebral ventricles?

4. At what levels does fracture of the vertebral column most often occur, and what are the differences as regards clinical results and prognosis?

5. Name all the symptoms which would lead you to suspect the onset of an acute syphilitic infection of the brain or spinal cord.

6. If you wished to give a delicate, anaemic person the benefit of a complete, tonic course of hydrotherapeutic applications, how should you proceed, in order to avoid danger and secure the best results?

MENTAL DISEASES. — Dr. FISHER.

1. Describe the normal mental mechanism.
2. State what you know about cerebral localization.
3. Describe the various forms of toxœmia and their effect on the neuron.
4. Give Wilson's classification of the various kinds of alcoholic insanity.
5. Name as many of the states of defect and degeneration as you can.
6. Describe the causes, course and pathology of general paralysis.

Fourth Year's Studies.

CLINICAL MEDICINE. — Professor Shattuck.

[Discuss these cases in the order in which they are arranged. Assume that symptoms not mentioned are wanting; but as omissions, intentional or not, may occur, state them if essential. The intelligent discussion of the case will have more weight than a hasty and inconclusive though correct diagnosis. Write out all prescriptions in full.]

Case 1. — A married man, 31 years old, electrician, of good habits and family history, was seen September 25, 1897. Except for an attack of "inflammation of the bowels" two years ago his previous health has been excellent. His work has been arduous and responsible, and for about two months past he has been consciously tired. About ten days ago he went to Connecticut on business, and while there had a little diarrhoea. Returned home and was all right for several days. While walking in the street the evening of September 15, he was seized with severe cramps in the abdomen, not localized, recurring through the night and preventing sleep: no diarrhoea or vomiting. The next A.M. the doctor saw him in bed with normal pulse and temperature, no abdominal tenderness, and learned that the bowels had moved twice normally since the advent of the pain. The next day more or less general pain was still present; tenderness over the lower abdomen, more marked on the left side, was noted; the temperature was 102° A.M., 103° P.M.; there was some diarrhoea. Calomel was given the day before, opium both days. September 18th the morning temperature was 104.5°, pulse 110, pain and tenderness were more marked and slight distension was noted. At the evening visit the pain had moved to the epigastrium and subsequently continued high rather than low. The following day the temperature dropped to 100, pulse to 90. The bowels did not move from the 18th until the 21st, then after enema. Again on the 24th there was a large, partly formed dejection, and much gas passed the 25th. Vomited twice on 21st after barley water; not before or since. Abdominal distension has gradually increased. The mind was clear; the pulse fairly good; tongue with slight coat; decubitus dorsal with legs outstretched; pain and tenderness very moderate, in upper abdomen, not sharply localized; chest negative; abdomen moderately and generally distended, duller in the flanks and hypogastrium than superiorly, the dull and resonant areas changing somewhat with changing position of the patient. Urine and rectal examination negative. No tumor or localized resistance. Blood not examined.

Diagnosis? Prognosis? Treatment?

Case 2. — A married woman of 28 was seen July 1st, 1897. Family history negative. Thirteen years ago she had rheumatic fever, confining her to bed for several weeks. There were no sequelae as far as she knows, and within a year of the present time she rode a bicycle from Boston to Chestnut Hill Reservoir and back without dismounting or inconvenience. She has been married about six years. Her first child was born dead at the eighth month, and she had constant albuminuria for a year later, then losing it. In the summer of 1894 she and her husband contracted typhoid fever in Washington, with good recovery. Twenty months ago a living child was born without accident. She is now seven months advanced in her third pregnancy. A month ago she, being then in the country, drove several miles to the doctor's office for advice for frequent micturition. The urine showed evidence of cystitis, but, under

treatment, there have been neither signs nor symptoms of this condition for a week now. Fifteen days ago, the bladder having been washed twice, fever was noted for the first time, at first moderate and constant. After three days she had a severe chill with a temperature of 104°, and since then she has had either one or two chills daily, at no regular hour. The temperature has been found as low as 96° at some period of every day, running to 104° and 105° during the chill, usually followed by sweating. No plasmodia were found in the blood and generous doses of quinine pills — some of which were found in the stools — had no control over the chills. Her sleep for two nights was prevented by severe occipital headache, relieved by a hypodermic of morphia. Yesterday for the first time it is stated that a roughened sound was heard over the aorta, and salicylate of soda was ordered. The usual chill recurred to-day. There has been nausea and vomiting every other day.

Pupils equal and contracted; mind clear (the last two nights it has not been so); pulse is regular, 120, rather weak; slight cyanosis of finger nails. Slight swelling and redness of the last phalangeal joints. No oedema of extremities or face. Slight crackle over lower right chest posteriorly without dulness. Cardiac impulse in fifth space one inch to the left of the nipple; a distinct presystolic murmur at and near the apex; no murmur at the base; accented pulmonic second. Tenderness on pressure below the right costal border where what seemed to be the edge of the liver could be felt. Abdominal enlargement corresponding to the seventh month of pregnancy. A fever urine.

Diagnosis? Prognosis? Treatment?

Case 3. — A married woman of 50, has had three children, the youngest 17, no miscarriage, and has passed the menopause without disturbance. Soon after the birth of her second child she became unconscious with dilated pupils, had convulsions, right hemiplegia and aphasia; but recovered entirely. Her domestic life has not been happy for some years. During the eighteen months that she has been under the care of her present attendant she has had emotional attacks, periods of mental depression and insomnia, goes to bed and refuses food, if crossed becomes hysterical. Passed last summer in the country with benefit. In the autumn she went to the office of her physician for swelling of the face and puffiness of the eyelids, and complained that the skin was dry and perspiration deficient. Nine months later these symptoms persist. She denies special sensitiveness to cold. Several examinations of the urine have been made with negative results. The 24 hour quantity is not known. The pulse is 72, regular; the temperature normal; the blood negative; the tongue clear. The complexion is somewhat waxy; the eyelids are rather baggy and translucent; the whole face has a puffy look. The skin — on a warm June 17th — is slightly moist. Visceral examination is negative except for a mobile right kidney. No motor paralysis; reflexes and sensibility normal.

Diagnosis? Prognosis? Treatment?

CLINICAL SURGERY. — Professor C. B. Porter.

Case 1.

Female, single, fifty years of age. Family history negative, and personal history good. No catamenial disturbance during life. Menopause two years ago at 48 years. Three years ago she "bruised" her left breast

which became sore and the skin got black over a small place of the outer side. Soon after the breast began to grow larger and has constantly increased in size. There has been no especial pain, but for the past few months there has been a sensation of prickling of needles in the breast. For the past six months the growth has been rapid. She has had no trouble with her arm, has worked as usual. No discharge from the nipple. No loss in weight. Appetite good and bowels regular.

Physical examination. — Thin woman, of fair development. Heart and lungs negative. The left breast is enormously large, measuring horizontally from chest wall to chest wall nineteen inches and vertically eighteen inches. Nipple normal. There is a fluctuation wave across the tumor. On the outer side of breast there are several small projecting masses where the sensation is of fluid nearer the surface than on the rest of the tumor. Though patient is thin, no enlarged glands can be felt either in axilla or above clavicle.

What is the nature of the growth?

Give reasons for the diagnosis made.

What treatment would you recommend?

What is your prognosis?

Case 2.

Patient female, single, aet. 26 years. Family history negative. Previous history has no bearing upon present trouble. One year and a half ago patient discovered a lump the size of a bean in the upper and outer quadrant of the right breast. It was hard and not tender. No subjective symptoms referable to it. Skin not inflamed nor adherent. No nodules about the growth nor in other parts of the breast. Within the last six months the lump has doubled in size. Patient is in excellent health and had been recently gaining in weight.

Physical examination. — Left breast normal. Right breast shows an irregularity of contour at the edge of outer and upper quadrant. Palpation shows a firm painless tumor, more or less kidney shaped, three inches by 1½ inches, lying in anterior axillary line at the level of the fourth rib. The outlying skin is normal and non-adherent. Tumor is freely movable in all directions. Surface of tumor is smooth, though somewhat irregular. In general the tumor feels solid, though at certain points there is a sense of elasticity, but no fluctuation can be positively asserted. The most careful palpation reveals no axillary glands.

What is the nature of the growth?

What treatment would you recommend?

What is the prognosis?

Case 3.

Female, married, aged 42 years. Temp. 99.4; pulse 94; resp. 20. Urine pale; acid; sp. gr. 1018; alb. 0; sugar 0. Family history negative. Personal history: Infantile diseases. Always fairly healthy. Catamenia began at fifteen. Irregular till after twenty years of age. Since then regular. No pain. Married at 27. No children. No miscarriages. Twice menstruation delayed into second month as though pregnant, followed by rather profuse flow, but no proof of conception. For past few years once or twice a month has had "sick spells." Indefinite description of feeling miserable, headache and dull sensation of weight about uterus. Last year no "spells." Eight months ago period delayed nearly a month,

followed by considerable haemorrhage with clots, then regular till two months ago when the period was scanty.

Present illness.—Two months ago noticed that the abdomen was getting larger. No subjective symptoms. A week ago found that the waist of dress was quite tight. No symptoms referable to bladder or rectum.

Physical examination. — Well developed and well nourished woman. Heart and lungs negative. Abdomen slightly prominent. Slight rounded elevation below and to right of umbilicus. Some tympany. No ascites. Palpation shows a number of hard rounded elevations or tumors, painless, varying from size of lime to that of lemon. Freely movable in abdomen and felt as if all were attached to each other. No fluctuation. Vagina small and examination difficult. Cervix pushed forward and under symphysis. Not enlarged nor soft. No posterior cul-de-sac and seemingly attached to cervix a rounded, hard, painless tumor, size of an egg.

Bimanual palpation shows connection with tumor felt through abdominal walls.

What condition is here present?

What treatment do you advise? If operative, describe technique, the dangers and probable results, and give prognosis with and without operative interference.

OTOLOGY. — Professors Blake and Green.

1. Describe the inner tympanic wall.
2. Describe: *a*) the processus cochleariformis;
   b) the long process of the malleus.
3. Give the pathology only of simple (uncomplicated) suppuration of the tympanum.
4. Describe the antrum operation for mastoiditis.
5. Give the prognosis in and describe the treatment of chronic suppuration of the tympanum accompanied by caries of the ossicula.
6. Give the etiology of acute inflammation of the middle ear in children.
7. Give the effect produced, within the tympanum, by prolonged closure of the Eustachian tube.
8. A patient who has had coryza for three weeks complains of recent deafness in the right ear and a bubbling sound on Valsalvian inflation. On examination the membrana tympani is found to be normal in position, but apparently dark in color, there is no congestion, no complaint of pain and there is a slight decrease of hearing for sounds aerially conveyed and a slight increase of hearing by bone conduction, in the affected ear. Give the prognosis and treatment.

OPHTHALMOLOGY. — Professor Wadsworth.

1. Lachrymal abscess.
2. What is astigmatism?
3. Trachoma: complications and treatment.
4. Phlyctenular keratitis.
5. Symptoms and treatment of acute glaucoma.

ORTHOPEDIC SURGERY, REQUIRED. — Asst. Professor Bradford.

1. Describe the appearance of a patient with Hip Disease in an early stage; in the second stage, and in the third stage. By appearance is meant the attitude and gait.

2. Describe the appearance of a patient with caries of the spine in an early and late stage of the disease, the disease being (1) in the cervical, (2) mid-dorsal, (3) in low dorsal region.

3. What is the pathological anatomy of Congenital Club Foot.

4. Describe the principal forms of Wry Neck.

5. What is Lateral Curvature?

6. What are the principles of treatment of Hip Disease in the first, second, and third stage?

7. Describe the methods of treatment for the deformities following Infantile Paralysis.

8. Describe the usual deformities of Rickets.

9. Treatment of the deformities of Rickets.

10. Describe the characteristic distortions in cerebral spastic paralysis.

LARYNGOLOGY. — Dr. A. Coolidge, Jr.

1. Abscess of Septum. Causes, symptoms, diagnosis, treatment?

2. Anosmia. Causes, prognosis?

3. Lingual Tonsil. Symptoms and treatment when hypertrophied?

4. Adenoid Disease. Symptoms. What treatment after operation to overcome mechanical effects of disease?

5. Tubercular Laryngitis. Laryngoscopic appearance when symptoms are principally (*a*) aphonic, (*b*) dysphagic?

6. Paralysis of left recurrent laryngeal nerve. Symptoms, causes? Differential diagnosis from nervous aphonia? Diagrams.

LEGAL MEDICINE. — Professor Draper.

1. Give your estimate of the total quantity of blood in the adult human body.

2. What determines the amount of separation of the edges of an incised wound of the skin.

3. What is the nature of the unwritten obligation or legal contract between physicians and their patients in their ordinary relations and what degree of skill and care does the law exact under this contract?

4. What are the characters of a wound, so far as its depth is concerned, which determine that its scar must of necessity be indelible?

5. Describe a corpus luteum and give your estimate of its value as evidence in legal medicine.

6. Make a formal report of a case of death by suffocation.

SYPHILIS. — Dr. Post.

1. What are the lesions which most closely simulate primary syphilis?
2. What are the diagnostic points between primary syphilis of the lips and epithelioma?
3. What are some of the ways in which physicians and hospital attendants are liable to spread syphilis?
4. In the absence of any eruption what would make you suspect congenital syphilis in a baby of a few months?
5. What are the uses, doses, and succedanea of Potassic Iodide?

HYGIENE. — Asst. Professor Harrington.

1. Sources of ammonia in drinking water. What is meant by the term "albuminoid ammonia"? Significance of nitrites. What is temporary hardness?

2. Why cannot we fix an arbitrary standard by which to judge of the potability of waters. What inferences would you draw from the following results of an analysis of water of unknown origin? The figures express parts per 100,000.

Free ammonia	0.0027
Albuminoid ammonia	0.0346
Nitrogen as nitrites	0.0000
Nitrogen as nitrates	0.0145
Chlorine	0.15
Fixed residue	4.70
Volatile residue	1.20
Total residue	5.90
Hardness	2.50

Color, brown. Odor, peaty. Turbidity, absent. Changes on ignition of residue, considerable blackening which did not quickly disappear.

3. What is the value of specific gravity alone in judging the quality of milk? Mention the constituents of milk and the approximate percentage of each in a specimen of normal composition. How does artificial butter differ from the natural product? Which of the vegetable foods are richest in nitrogen? in fats?

4. What is the normal amount of carbon dioxide in pure air? To what are the deleterious effects of the air of overcrowded rooms due? Describe briefly the method of determining carbon dioxide.

5. Describe the methods in common use for the disinfection of rooms in which infectious diseases, as scarlet fever and diphtheria, have been treated, and compare their efficiency.

6. State in general terms what classes of occupations are least conducive to longevity. Mention the different methods of disposal of sewage.

DERMATOLOGY. — Professor White.

1. Describe the different cutaneous lesions produced by the pyogenic micro-organisms, with their treatment.
2. Erysipelas.
3. Erythema multiforme.
4. The different forms of alopecia.
5. Psoriasis.

GYNAECOLOGY. — Asst. Professor C. M. Green.

1. Retroversion of the uterus to the second degree, with chronic adhesive peritonitis: symptoms and treatment?
2. Acute gonorrhoeal urethritis: symptoms, clinical course, treatment?
3. Chronic hyperplastic endometritis: pathological anatomy, etiology, symptoms, treatment?
4. Rupture of the perineum to the second degree, with rectocele: briefly describe the surgical treatment.
5. Acute suppurative pelvic peritonitis: discuss the pathology and treatment.

OPERATIVE OBSTETRICS. — Asst. Professor C. M. Green.

1. Operative treatment of face presentations.

2. A breech presentation. The child is born as far as the umbilicus, when it is noted that the funic pulse is almost imperceptible. Describe concisely your further treatment of the case.

3. State briefly, in the order of your choice, the methods for delivery of a low extended and unrotated head. The position is O. D. P.

4. A consultant called to a multiparous labor finds the patient in fair condition, the os half dilated, the membranes recently ruptured, the shoulder presenting, Sc. L. A., the child alive. Partially covering the os is the placenta. The attending physician states that there was a smart haemorrhage earlier in the labor; and there is slight bleeding still going on. Discuss your treatment.

OPERATIVE SURGERY. — Professor C. B. Porter.

1. Describe the operation for ligature of the common carotid at point of election.
2. Describe operation for ligature of brachial at elbow, naming relation of artery to contiguous parts.
3. Describe operation for ligature of femoral at apex of Scarpa's triangle.
4. Describe operation for ligature of anterior tibial high.
5. Describe operation for amputation of penis.
6. Describe operation for excision of head of humerus.
7. Describe operation for enucleation of eye.
8. Describe operation of tracheotomy.

ORTHOPEDIC SURGERY, ELECTIVE. — Asst. Professor BRADFORD.

1. State the physical signs of Potts' Disease of the mid-dorsal region at the stage before the appearance of the knuckle.
2. Give the diagnostic characteristics of a rachitic curvature of the spine.
3. What are the diagnostic symptoms of tumor albus at an early stage?
4. What are the diagnostic symptoms of a hysterical affection of the knee joint?
5. What are the deformities occurring in the course of tubercular disease of the hip?
6. Mention the deformities in tubercular disease of the knee and describe the methods of correcting them.
7. What is meant by flat-foot and how is it to be treated?
8. The symptoms and treatment of flattening of the transverse arch of the foot.
9. What is the treatment of hallux valgus?
10. Describe the course of scoliosis.

NEUROLOGY. — Dr. WALTON.

[Answer four questions and discuss the case.]

1. Diagnosis between hysterical and epileptic attacks. How class hystero-epilepsy?

2. Describe appearance of the arm in periarthritis of the shoulder, in brachial plexus paralysis, in hemiplegia.

3. Differential diagnosis between tabes dorsalis and alcoholic neuritis (pseudo-tabes of alcoholic subjects).

4. Under what circumstances would you advise surgical interference in a case of tumor of the brain?

5. Bromide of Potassium in epilepsy; Iodide of Potassium in syphilis of the central nervous system; Arsenic in chorea; manner of exhibition, dosage and toxic sysmptoms.

6. Give details of diet for a case of severe neurasthenia without marked symptoms of digestive disturbance; — times of feeding, amount and nature of food, etc.

A man of forty had a suspicious venereal sore at the age of twenty-seven without any secondary symptoms. He had used alcohol to a considerable extent. A year ago, while in perfect health, he began to have considerable headache, not localized, not very severe. Six months later he had a convulsion, beginning in the left hand, but becoming general. Before that his friends thought him more irritable and that his memory was not quite so good. He has had four or five similar convulsions since. About three months ago there was a paresis of the left arm, lasting two or three days. The pupils are normal. The left knee-jerk is exaggerated. The eye grounds are normal. There is some facial and lingual tremor and tremor of the hands. His memory is somewhat impaired, and he is less careful in observing the refinements of life. There has been little

headache and he claims to be well. There has been no digestive disturbance. Discuss the differential diagnosis. Prognosis.

State what further symptoms would be of importance as an aid to diagnosis.

OPHTHALMOLOGY. — Professor WADSWORTH.

1. Methods of examination for cataract. How would you judge of the location of the opacities?
2. Define myopia. What ophthalmoscopic appearances are usually found in its higher degrees?
3. Mechanism of accommodation. What part does the iris take in it?
4. Symptoms and treatment of acute glaucoma. Of simple glaucoma.
5. The various forms of vascularity of the cornea, and the diseases in which each form occurs.
6. Symptoms and treatment of gonorrhoeal conjunctivitis. Of diphtheritic conjunctivitis. Bacteriology of each.
7. How to detect partial paralysis of the abducens. Causes.

OTOLOGY. — Professors BLAKE and GREEN.

1. Give location of spine of meatus and state its importance as an anatomical landmark.

2. Give location and relationship of Eustachian tube and canal for tensor tympani muscle, describe the tympanic end of each.

3. What are the indications for opening the mastoid in acute suppuration of the tympanum?

4. What are the anatomical relations to be considered in opening the mastoid?

5. Describe the method of inflating the middle ear by means of the Eustachian catheter.

6. What is the effect upon the sound transmitting apparatus of the middle ear of contraction of the tensor tympani muscle?

7. What is the normal limit of hearing for tones of high pitch.

8. A woman twenty-seven years of age, of a nervous temperament, has just recovered from a severe attack of nervous prostration which she has had for two years. She has complained of tinnitus and a steadily increasing deafness for nearly a year. She is now anaemic and suffers from insomnia. Both Eustachian tubes are free and the drum heads are normal in appearance. The hearing in the right ear is impaired for tones below 512 v. s. and for the upper tones of the Galton's whistle, and the spoken voice is heard at the distance of two feet. In the left ear she hears a whisper at the distance of six feet, the upper tone limit is normal, and the lower 128 v. s. The Rinne test is, right ear, air conduction 20 sec., bone conduction 45 sec.; left ear, air conduction 40 sec., bone conduction 35 sec. The normal Rinne with the tuning fork used being, air 75 sec., bone 35 sec.

Give the diagnosis, prognosis and treatment.

ANATOMY. — Professor Dwight.

[Answer *only one* of the two following questions.]

Describe the structures and their relations seen in a dissection of:

1. The popliteal space.
2. The deep palmar arch.

PHYSIOLOGY. — Asst. Professor W. T. Porter.

1. State the present knowledge concerning the depressor nerve.
2. Describe a method for determining any unsolved question regarding this nerve.

CHEMISTRY. — Professor Wood.

1. Describe the characteristic changes which may be recognized in the red corpuscles in conditions of anaemia.
2. What are the typical features of the blood in cases of pernicious anaemia? Of myelogenous leukaemia?
3. How do the physiological leucocytoses differ from the pathological?
4. Describe the method of differentiation of the leucocytes into basophiles, neutrophiles, and oxyphiles.

BACTERIOLOGY. — Professor Ernst.

1. What are the methods by which the bacteria produce their results?
2. Describe the Gonococcus and the methods of staining.
3. The Typhoid Bacillus.
4. Cholera.

EMBRYOLOGY. — Professor Minot.

1. Draw the section. Name the parts and organs and indicate the entire distribution of the germ-layers.

[*Section of a pig-embryo of 12 mm. through the liver.*]

2. Draw a section illustrating the development of the eye, the parts of which are to be named, and the germ-layers to which they belong indicated.

[*Section through the head of a pig-embryo of 12 mm.*]

3. What is the organ? Make a diagrammatic sketch to show the course of the circulation.

[*Section of a three months human placenta in situ.*]

4. Give a section of a chicken embryo of two days. To draw a section through the heart and name the parts thereof.

CLINICAL MICROSCOPY. — Dr. Whitney.

1. Differential diagnosis between fragments of the different forms of sarcoma of the uterus and the decidua from extra-uterine pregnancy.
2. Method of investigation of a suspected seminal stain.
3. The distinguishing characteristics of ascitic fluid.
4. Diagnosis of a specimen.

ADMISSION EXAMINATIONS.

LATIN.

[Translate either of the following selections.]

1. "Caesar hac oratione Lisci Dumnorigem, Divitiaci fratrem, designari sentiebat, sed quod pluribus praesentibus eas res jactari nolebat, celeriter concilium dimittit, Liscum retinet: quaerit ex solo ea quae in conventu dixerat. Dicit liberius atque audacius. Eadem secreto ab aliis quaerit; reperit esse vera: Ipsum esse Dumnorigem, summa audacia, magna apud plebem propter liberalitatem gratia, cupidum rerum novarum: complures annos portoria reliquaque omnia Aeduorum vectigalia parvo pretio redempta habere, propterea quod illo licente contra liceri audeat nemo. His rebus et suam rem familiarem auxisse et facultates ad largiendum magnas comparasse; magnum numerum equitatus suo sumptu semper alere et circum se habere, neque solum domi sed etiam aput finitimas civitates largiter posse, atque hujus potentiae causa matrem in Biturigibus homini illic noblissimo ac potentissimo collocasse, ipsum ex Helvetiis uxorem habere, sororem ex matre et propinquas suas nuptum in alias civitates collocasse. Favere et cupere Helvetiis propter eam affinitatem, odisse etiam suo nomine Caesarem et Romanos quod eorum adventu potentia ejus deminuta et Divitiacus frater in antiquum locum gratiae atque honoris sit restitutus. Si quid accidat Romanis, summam in spem per Helvetios regni obtinendi venire; imperio populi Romani non modo de regno, sed etiam de ea quam habeat gratia, desperare. Reperiebat etiam in quaerendo Caesar, quod proelium equestre adversum paucis ante diebus esset factum, initum ejus fugae factum a Dumnorige atque ejus equitibus (nam equitatui, quem auxilio Caesari Aedui miserant, Dumnorix praeerat); eorum fuga reliquum esse equitatum perterritum."

2. "Quum M. Furius Camillus urbem Falerios obsideret, ludi magister plurimos et nobilissimos inde pueros, velut ambulandi gratia eductos, in castra Romanorum perduxit; quibus Camillo traditis, non erat dubium, quin Falisci deposito bello sese Romanis dedituri essent. Sed Camillus perfidiam proditoris detestatus: *Non ad similes tui*, inquit, *venisti; sunt et belli, sicut pacis, jura: arma habemus, non adversus eam aetatem, cui etiam captis urbibus parcitur, sed adversus armatos, qui, nec laesi nec lacessiti a nobis, castra Romana oppugnaverunt.* Denudari deinde ludi magistrum jussit, ac manibus post tergum alligatis in urbem reducendum pueris tradidit, virgasque iis dedit, quibus euntem verberarent. Statim Falisci, beneficio magis quam armis victi, portas Romanis aperuerunt.

Camillus post multa in patriam merita judicio populi damnatus exsulatum abiit. Urbe egrediens ab Diis precatus esse dicitur, ut, si innoxio sibi ea injuria fieret, desiderium sui facerent ingratae patriae quamprimum. Nec multo post Galli Senones Clusium Etruriae oppidum obsederunt. Clusini novo bello exterriti ab Romanis auxilium petierunt. Missi sunt

Roma tres legati, qui Gallos monerent, ut ab oppugnatione desisterent. Ex his legatis unus contra jus gentium in aciem processit, et ducem Senonum interfecit. Qua re commoti Galli, petitis in deditionem legatis nec impetratis, ad urbem venerunt, et exercitum Romanum apud Alliam fluvium ceciderunt ante diem decimum quintum Calendas Sextiles; qui dies inter nefastos relatus *Alliensis* dictus est."

ENGLISH.

Correct the following sentences: —

1. The truly brave man neither seeks danger, or runs from it when it confronts him.
2. He could not but think the occasion inopportune.
3. They love the man who they suspect to be a traitor.

Give some account of the author or authors of the Sir Roger de Coverley papers in the Spectator.

CHEMISTRY.

[Laboratory note-books (qualitative analysis), properly endorsed, must be handed in at this examination.]

1. How long have you studied chemistry? Where? What courses have you taken? What books have you used?

2. Define: deliquescence; efflorescence; water of crystallization; valence.

3. Write the equation showing the action of heat upon potassic chlorate ($KClO_3$).

4. Write the chemical formula for each of the following acids: hydrochloric acid, nitric acid, sulphuric acid, carbonic acid, phosphoric acid. Write the formulae for all the sodium salts of each acid, and designate the normal, acid, and basic salts in the list.

5. How much HCl is required to neutralize 20 milligrams of $NaOH$?

$$HCl + NaOH = NaCl + H_2O.$$

6. Sources of the following: hydrochloric acid; nitric acid; ammonium compounds; iodine; sulphur.

7. Describe briefly the following: H_2SO_4, $NaOH$, $HgCl_2$, $MgSO_4$, $AgNO_3$.

8. What are alloys? Amalgams?

$H = 1$, $Cl = 35.5$, $O = 16$, $Na = 23$.

PHYSICS.

1. What is Mariotte's, or Boyle's, Law?
2. What is a molecule?
3. What are the phenomena of electricity in the statical state? In the dynamical state?

4. In applying an induced current, which pole has the more decided physiological effect?
5. To what is the number of beats due to two simple tones, equal?
6. That two notes sounded together may harmonize, what is essential?
7. What is the cause of color and dispersion of light?
8. What is skylight, and why do yellow and red colors predominate in the morning and evening.

FRENCH.

I. Translation: —

Le Massif du Mont Blanc.

L'homme qui depasse une altitude de 2000 mêtres audessus du niveau de la mer croit parcourir des solitudes où le silence, l'immobilité et la mort règnent perpétuellement. Il n'en est rien cependant; sur ces plateaux couverts de neiges, autour de ces sommets dépourous de toute végétation, où la présence d'un être animé est un accident, la nature travaille sans relâche et aussi activement qu'au sein des océans.

Dans ces vastes laboratoires supérieurs, l'homme est un intrus. Tout ce qui l'entoure semble lui dire: "Que viens-tu faire ici? Retourne à tes champs, à tes rivières, à tes vallées, tu es fait pour y vivre; sinon, ne t'en prends qu'à toi s'il t'arrive malheur. Dans ces hautes régions nous obéissons à des lois trop impérieuses pour toi. Ici, tu n'est rien, tu ne peux rien, laisse nous."

Et cependant cet homme inquiet, chercheur, pretend toujours monter plus haut, voir de plus près les redoutable phénomènes qui s'accomplissent sur ces sommets. Son intelligence lui dit qu'il se fait, au sein de ces laboratoires, des travaux gigantesques dont, après bien des recherches, il saisit à peine les premiers éléments.

II. Principal parts of the verb *regner*, conjugate the present subjunctive tense; of *pouvoir*, the conditional tense; of *obeir*, the imperfect subjunctive.

III. Write a short description in French of any public building.

GERMAN.

I.

Alphons V., König von Arragonien, genannt der Großmüthige,[1] war der Held seines Jahrhunderts. Er dachte nur Andere glücklich zu machen. Dieser Fürst ging gern ohne Gefolge und zu Fuß durch die Straßen seiner Hauptstadt. Als man ihm einst Vorstellungen machte[2] über die Gefahr, welcher er seine Person aufsetzte,[3] antwortete er: „Ein Vater, welcher mitten unter seinen Kindern umhergeht hat Nichts zu fürchten."

II.

Man kennt folgenden Zug[4] von seiner Freigebigkeit: Als einer von seinen Schatzmeistern ihm eine Summe von tausend Dukaten brachte, sagte ein Offizier, welcher eben zugegen[5] war, ganz leise zu Jemand:

„Wenn ich nur dieſe Summe hätte, würde ich glücklich ſein." — „Du ſollſt es ſein!" ſprach der König, welcher es gehört hatte, und ließ ihn dieſe tauſend Dukaten mit ſich nehmen.

III.

Auch der folgende Zug zeugt[6] von ſeinem edlen Charakter: Eine mit Matroſen und Soldaten beladene Galeere ging unter; er befahl, ihnen Hilfe zu bringen; man zögerte.[7] Dann ſprang Alphons ſelbſt in ein Boot, indem er zu denen, welche ſich vor der Gefahr fürchteten, ſagte: „Ich will lieber ihr Gefährte als der Zuſchauer ihres Todes ſein."

IV.

Ich ging im Walde ſo für mich hin
Und Nichts zu ſuchen, das war mein Sinn.
Im Schatten ſah ich ein Blümchen ſteh'n,
Wie Sterne leuchtend,[8] wie Aeuglein ſchön.
Ich wollt es brechen, da ſagt es fein:
„Soll ich zum Welken gebrochen ſein?"
Ich grub's mit allen den Würzlein aus;
Zum Garten trug ich's am hübſchen Haus,
Und pflanzt' es wieder am ſtillen Ort,[9]
Nun wächſt es wieder und blüht ſo fort.

[1] generous. [2] to remonstrate. [3] to expose. [4] instance.
[5] present. [6] to prove. [7] to hesitate. [8] to glitter.
[9] to place.

ALGEBRA.

(Leave all the work.)

1. Add $ax + 7$, $7ax - 3m$, and $bx + 4m$.
2. Simplify $2x - [3y - \{4x - (5y - 6x)\}]$.
3. Multiply $3x^2y + 12xy^3$ by $3x^2y - 12xy^3$.
4. Divide $\frac{abc + b^2c}{x}$ by $a + b$.
5. A person starts from a certain place, and travels at the rate of 4 miles an hour; after he has been travelling 10 hours a horseman riding 9 miles an hour is despatched after him. In how many hours can the rider overtake him?
6. A man being asked his age replied that if it were increased by a half and a third of itself it would be 44 years. What was his age?
7. Given $\frac{x}{2} - y = 1$ and $x - \frac{y}{2} = 8$, to find the value of x and y.
8. Develope the expression $(x^4y^{-6}z^{-1})^{-2}$.
9. What is the square root of $a^4 - 2a^3 + 2a^2 - a + \frac{1}{4}$.
10. Given $x - \frac{3x^2 - 2}{5x} = 3x^{-1} - 3x^{-1} - \frac{2x^2 - 5}{3x}$ to find the value of x.

GEOMETRY.

1. If two angles have two sides parallel and lying in the same direction from their vertices, while the other two sides are parallel and lie in opposite directions, then the two angles are supplements of each other.

2. If two triangles have two sides of the one equal respectively to two sides of the other, but the included angle of the first greater than the included angle of the second, then the third side of the first will be greater than the third side of the second.

3. The diagonals of a rhombus bisect each other at right angles.

4. At a given point in a straight line to construct an angle equal to a given angle.

5. If two chords intersect each other in a circle, their segments are reciprocally proportioned.

BOTANY.

1. Differences between algae and fungi.
2. What is a tuber? a bulb? a stolon?
3. Explain the phenomena of germination of a bean.
4. Describe the structure and function of a green leaf-cell.
5. Describe the fertilization of any flower, and the changes which follow.
6. Explain the structure, growth, and function of an endogenous stem.
7. Give examples of Ranunculaceae, Liliaceae, and Coniforae.
8. What is alternation of generations?

THE MEDICAL SCHOOL.

Courses for Graduates.

1897–98.*

Bacon, Edward Sawyer, M.D. 1889, *Providence, R. I.*
Bartol, John Washburn, A.B. 1887, M.D. 1891, *Boston.*
Barton, Walter Emery, M.D. (*Univ. of Vermont*) 1897, *Spencer.*
Blodgett, Stephen Haskell, M.D. 1886, *Cambridge.*
Brown, Frank Byron, M.D. (*Bowdoin Med. Coll.*) 1887, *Dorchester.*
Burr, Alexander, M.D.V., 1889, *Dorchester.*
Bushnell, George Ensign, A.B. (*Yale Univ.*) 1876, PH.D. (*ibid.*) 1878, M.D. (*ibid.*) 1880, *Boston.*
Canfield, Ralph Metcalfe, M.D. (*Univ. of Vermont*) 1882, L.R.C.P. (*London*) 1885, *Boston.*
Cogswell, William, M.D. 1894, *Boston.*
Cousens, Nicholas William, M.D. (*Trinity Med. Coll.*) 1891, *Waltham.*
Cutler, Charles Newton, M.D. 1898, *Chelsea.*
Cutler, James Tucker, A.B. (*Williams Coll.*) 1890, M.D. 1894, *Roxbury.*
Denny, Francis Parkman, A.B. 1891, M.D. 1895, *Brookline.*
Drew, Fred, A.B. (*Bowdoin Coll.*) 1891, M.D. 1894, *Boston.*
Gage, James Arthur, A.B. 1879, A.M. 1880, M.D. 1885, *Lowell.*
Garceau, Edgar, M.D. 1890, *Boston.*
Goddard, Henry Edward, A.B. (*Brown Univ.*) 1875, M.D. (*Dartmouth Med. Coll.*) 1896, *Brockton.*
Goray, James Philip, M.D. 1891, *Boston.*
Greene, William Addison, M.D. (*Dartmouth Med. Coll.*) 1897, *Amesbury.*
Harlow, George Arthur, A.B. (*Amherst Coll.*) 1889, M.D. 1892, *Boston.*

* Entering after the issue of the Catalogue of 1897–98.

Ingalls, George Howard, M.D. (*Univ. of Vermont*) 1885, *Jamaica Plain.*
Jones, Charles David, A.B. (*Boston Univ.*) 1886, M.D. 1889, *Malden.*
Jones, Daniel Fiske, A.B. 1892, M.D. 1896, *Boston.*
Jones, Gilbert Norris, A.B. 1884, M.D. 1888, *Wellesley Hills.*
Lovett, Robert Williamson, A.B. 1881, M.D. 1885, *Boston.*
Kingsford, Howard Nelson, M.D. (*Dartmouth Med. Coll.*) 1897, *Riverside, R. I.*
McCormick, Thomas Henry, M.D. 1897, *Taunton.*
McKenty, John Thomas, A.B. (*Ottawa Univ.*) 1888, M.D. (*McGill Univ.*) 1892, *Waltham.*
Merrill, William Howe, M.D. (*Bowdoin Med. School*) 1888, *Lawrence.*
Mitchell, William, M.D. (*McGill Univ.*) 1894, *Highlandville.*
Norton, Edwin Hathaway, M.D. (*Coll. of Phys. & Surg., N. Y.*) 1883, *Boston.*
O'Neil, Richard Frothingham, M.D. 1896, *Boston.*
Perry, Clarence, M.D. (*Dartmouth Med. Coll.*) 1876, *W. Rutland, Vt.*
Pond, Gardner Perry, M.D. (*Univ. of California*) 1893, *San Francisco, Cal.*
Reynolds, Henry Augustus, M.D. 1864, *Pontiac, Mich.*
Ring, Arthur Hallam, M.D. (*Boston Univ. School of Medicine*) 1897, *Arlington Heights.*
Storer, John, M.D. (*Hahnemann Med. Coll., Chicago*) 1889, *Jamaica Plain.*
Stowell, Edmund Channing, A.B. 1888, M.D. 1892, *Boston.*
Sullivan, James Edmund, M.D. (*Bellevue Hosp. Med. Coll.*) 1879, *Providence, R. I.*
Webster, George Arthur, M.D. 1889, *Boston.*
White, Charles James, A.B. 1890, M.D. 1893, *Boston.*

1898–99.

*Bardwell, Frederick Albert, M.D. (*N. Y. Homeopathic Med. Coll. & Hosp.*) 1893, *Roxbury.*
Bliss, Edward Lydston, A.B. (*Yale Univ.*) 1887, M.D. (*ibid.*) 1891, *Newburyport.*
*Emerl, John Alfred, A.B. (*Augustana Coll.*) 1890, M.D. (*Kansas Med. Coll.*) 1894, M.D. (*Univ. of Berlin*) 1897, *Osage City, Kans.*

* Graduates taking full course tickets.

Hammond, Roland, A.B. (*Tufts Coll.*) 1868, A.M. (*ibid.*) 1871, M.D. 1872,	*Brockton.*
Jewett, Walter Kendall, A.B. (*Brown Univ.*) 1891, M.D. 1895,	*Belmont.*
Keown, James Archibald, PH.G. (*Mass. Coll. of Pharm.*) 1891, M.D. 1894,	*Lynn.*
Kirkpatrick, William David, M.D. (*Univ. of Minn.*) 1895,	*Boston.*
*Nason, Osmon Cleander Baker, A.M. (*Brown Univ.*) 1885, M.D. (*Boston Univ.*) 1891,	*Reading.*
*Pettigrew, Richard Richardson. M.D. (*Long Island Coll. Hosp.*) 1898,	*Jamaica Plain.*
*Pigott, Thomas Edmond, M.D. (*Tufts Med. School*) 1897,	*Winthrop Highlands.*
*Place, Ralph Waldo, M.D. (*Tufts Med. School*) 1897,	*Westwood.*
*Rice, Walter Henry, M.D. (*Tufts Med. School*) 1896,	*Waltham.*
Thompson, Peter Hunter, M.D. (*Tufts Med. School*) 1898,	*Boston.*
Woodworth, Helen Ida, M.D. (*Univ. of Michigan*) 1887,	*Arlington.*

FOURTH CLASS.

Allen, Freeman, A.B. 1893,	*Boston.*
Bacon, Newton Samuel, A.B. 1895,	*Cambridge.*
Bailey, William Thomas, B.L. (*Dartmouth Coll.*) 1891,	*Nashua, N. H.*
Baker, Albert Sherburne, A.B. (*Amherst Coll.*) 1894,	*Boston.*
Bamji, Manak, L.C.E., B.SC. (*Bombay Univ.*) 1889,	*Boston.*
Barnes, James Arthur, A.B. (*Holy Cross Coll.*) 1895,	*Fitchburg.*
Boutelle, Harry Clifton,	*Dorchester.*
Bowen, Alfred Preston,	*Lynn.*
Boyer, Joseph Napoleon, Jr.	*Springfield.*
Brenneman, Richard Emmor,	*Arroyo, W. Va.*
Brock, Lawrence Ambrose, A.B. (*Boston Coll.*) 1895,	*Malden.*
Burke, William Henry, Jr.	*Watertown.*
Cadigan, John Joseph A.B. (*Boston Coll.*) 1891, A.M. (*St. Francis Xavier Coll.*) 1892,	*Boston.*

* Graduates taking full course tickets.

Callahan, Joseph Thomas, *Woburn.*
Carmody, William Francis, A.B. (*Holy Cross Coll.*) 1885, *Worcester.*
Carroll, Thomas Francis, *Roxbury.*
Churchill, Donald, A.B. 1893, *Andover.*
Clarke, Elliott Mason, *Hope Valley, R. I.*
Cleveland, Heber Howe, *Somerville.*
Cliff, Alfred Addington, *Boston.*
Crane, Carl Custer, *Melrose.*
Crosby, Walter Theodore, B.P. (*Brown Univ.*) 1895, *Brockton.*
Crowell, George Marcus, A.B. (*Brown Univ.*) 1894, *Providence, R. I.*
Davis, Charles Henry, A.B. 1896, *Somerville.*
Davis, Edward Jackson, A.B. (*Fisk Univ.*) 1895, *Sumter, S. C.*
Dix, George Alfred, *Dorchester.*
Dodge, Arthur Malcolm, *Hampton Falls, N. H.*
Dole, Charles Frederick, *Roxbury.*
Easton, Elwood Tracy, *Rockland.*
Emerson, William Robie Patten, A.B. (*Dartmouth Coll.*) 1892, *Candia, N. H.*
Fiske, Charles Norman, *Upton.*
Friedman, Leo Victor, A.B. 1895, *Boston.*
Geib, Frank Julius, A.B. 1895, *Cleveland, O.*
Golden, Lazarus, *E. Boston.*
Graves, William Phillips, A.B. (*Yale Coll.*) 1891, *Andover.*
Greene, Daniel Crosby, Jr., A.B. 1895, *Tokio, Japan.*
Grimes, Jesse Rideout, *Franconia, N. H.*
Hall, James Frank, A.B. 1897, *Lowell.*
Hammond, William John, *Quincy.*
Haskins, Frank Henry, A.B. (*Williams Coll.*) 1893, *Springfield.*
Hatch, Edward Sparhawk, *Brighton.*
Herrick, Timothy George, *Newport, N. H.*
Hill, George Sumner, *Somerville.*
Howard, Joseph Francis, *Lawrence.*
Jack, Lewis Harlow, *Portland, Me.*
Jefferson, Willis Grover, *Norwood.*
Johnson, Harold Abbott, A.B. (*Williams Coll.*) 1895, *Brookfield.*
Jouett, Fred Robert, A.B. 1896, *Somerville.*
Kepler, Charles Ober, A.M. (*Baldwin Univ.*) 1890, *Clyde, O.*

Knowlton, John Greenleaf Whittier, A.B. (*Bowdoin Coll.*) 1895, *Bath, Me.*
Lane, Walter Appleton, A.B. (*Dartmouth Coll.*) 1895, *Chicago, Ill.*
Latham, Benoni Mowry, *Smithfield, R. I.*
Lazarus, Benjamin, *Boston.*
Leighton, William Elston, A.B. (*Bowdoin Coll.*) 1895, *Deering, Me.*
McAdams, Peter Stevens, A.B. 1895, *Somerville.*
McCarthy, Frederick, *Malden.*
McDermott, Joseph Edward, *Charlestown.*
Macdonald, William Clifford, *Pictou, N. S.*
McDonald, William Joseph, A.B. 1895, *Charlestown.*
McGirr, Felix Francis, A.B. 1895, *Cambridge.*
McLaren, Alexander Lorne, *E. Boston.*
Manahan, Thomas James, S.B. 1896, *Boston.*
Moore, Philip Patrick, *Gloucester.*
Morgan, John Albert, *Hyde Park.*
Moser, Albert, A.B. (*Oberlin Coll.*) 1892, *Lima, O.*
Murdock, Frederick William, *Derry, N. H.*
Nielsen, Edwin Björne, *W. Newton.*
Nightingale, James, *Manchester, N. H.*
O'Brien, Thomas James, PH.G. (*Mass. Coll. of Pharm.*) 1895, *Somerville.*
Odiorne, Walter Burlingame, A.B. 1895, *Cambridge.*
Osgood, Robert Bayley, A.B. (*Amherst Coll.*) 1895, *Salem.*
Pardo, Oscar, *Rome, Italy.*
Pierce, Charles Willard, A.B. (*Boston Univ.*) 1895, *Ashland.*
Pillsbury, Boyden Harlin, A.B. (*Dartmouth Coll.*) 1895, *Lowell.*
Potter, Alexander Carleton, A.B. 1895, *Boston.*
Pritchard, William Percival, *Fall River.*
Ray, Robert Bentley, *Barnes, Ohio.*
Reilly, James Aloysius, *So. Boston.*
Rood, Luther Colby, *E. Boston.*
Ryder, George Hale, PH.B. (*Wesleyan Univ.*) 1895, *Hartford, Conn.*
Saunders, Joseph Henry, A.B. (*Tufts Coll.*) 1895, *Wellesley Hills.*
Sayward, William Henry, Jr., S.B (*Mass. Inst. of Tech.*) 1894, *Dorchester.*

Schmidt, Frederick Sextus, PH.G. (*Mass. Coll. of Pharm.*) 1895, *Roxbury.*
Seelye, Walter Clark, A.B. (*Amherst Coll.*) 1895, *Northampton.*
Shaw, Francis, *New Bedford.*
Silbert, Joseph Jacob, *Boston.*
Silver, David, *Wellsville, O.*
Simmons, Channing Chamberlain, *Boston.*
Simmons, Samuel Ewer, A.B. (*Leland Stanford Jr., Univ.*) 1895, *Sacramento, Cal.*
Smith, Richard Augustine, A.B. (*Boston Coll.*) 1894, *Roxbury.*
Snow, Frederick Stedman, A.B. 1895, *Jamaica Plain.*
Spalter, Charles Marsh, *Keene, N. H.*
Spaulding, Charles Lester, A.B. (*Williams Coll.*) 1890, *Townsend Harbor.*
Stone, Warren Buxton, *Lynn.*
Sullivan, Joseph Lawrence, *Dorchester.*
Swift, Henry Marshall, A.B. 1894, *Marlboro.*
Taylor, John Danforth, *E. Boston.*
Thayer, Hartley Wales, A.B. (*Yale Univ.*) 1895, *Holbrook.*
Thomas, John Willard, A.B. 1895, *Cambridge.*
Tileston, Wilder, A.B. 1895, *Boston.*
Wales, Ernest de Wolfe, S.B. 1896, *Braintree.*
Waterman, George Arthur, A.B. 1895, *Malden.*
Whoriskey, John Joseph, *Cambridge.*
Wilkins, Charles Downes, *Peterboro, N. H.*
Wilkins, George Clarence, *Manchester, N. H.*
Wood, Frank Lyon, *Boston.*
Woodbury, Herbert Elwell, S.B. (*Boston Univ.*) 1889, *Gloucester.*
Worth, Edward Philip, PH.G. (*Mass. Coll. of Pharm.*) 1895, *Edgartown.*

THIRD CLASS.

Adams, Carl Shadiker, *Newtonville.*
Atwood, Charles Fenner, A.B. 1896, *Manton, R. I.*
Bancroft, Irving Reed, PH.B. (*Tufts Coll.*) 1897, *Woburn.*
Barnes, Lynn Moore, A.B. 1896, *Decatur, Ill.*
Bartol, Edward Francis Washburn, A.B. 1896, *Lancaster.*
Beebe, Theodore Chapin, Jr., A.B. 1896, *Springfield.*
Belt, Edward Jones, *So. Boston.*

Bergin, Stephen Albert, A.B. (*Boston Coll.*) 1896, *Waltham.*
Bicknell, Ralph Emerson, *No. Weymouth.*
Blodgett, William Ernest, A.B. 1896, *Newton.*
Brayton, Roland Walker, *Dorchester.*
Breed, Nathaniel Perkins, *Salem.*
Brennan, Joseph Thomas Louis, *Lowell.*
Brown, Percy Emerson, *Cambridge,*
Bryant, Charles Sawyer, A.B. 1896, *Newton Highlands.*
Bryant, Fred, A.B. (*Colby Univ.*) 1895, *Pittsfield, Me.*
Burke, Walter Thomas, PH.G. (*Mass. Coll. of Pharm.*) 1891, *Natick.*
Burnham, Melvin Page, *Andover.*
Campbell, William Joseph, A.B. (*Boston Coll.*) 1896, *Marlboro.*
Canedy, Charles Francis, A.B. (*Williams Coll.*) 1896, *Shelburne Falls.*
Cannon, Walter Bradford, A.B. 1896, A.M. 1897, *St. Paul, Minn.*
Chase, Walter Greenough, A.B. 1882, *Brookline.*
Cheney, Ernest Linwood, *Wakefield.*
Cleaves, Ezra Eames, *Rockport.*
Cloudman, Harry Radcliffe, *Boston.*
Collins, George Leman, A.B. 1896, *Dorchester.*
Collins, Richard, A.B. (*Colby Univ.*) 1896, *Calais, Me.*
Conner, Homer Leigh, *Haverhill.*
Connolly, John Matthew, A.B. (*Holy Cross Coll.*) 1890, A.M. (*ibid*) 1892, *Cambridge.*
Coolidge, Sumner, A.B. 1883, *Watertown.*
Cornwell, Herbert Cerdá de Vilarrestau, A.B. 1897, *Cambridge.*
Cox, Simon Francis, A.B. (*Boston Coll.*) 1896, *Lowell.*
Creesy, Everett Larcom, A.B. 1896, *Beverly.*
Cross, Rupert Calladon, *Chelsea.*
Cummings, Alvah Cochran, S.B. (*Dartmouth Coll.*) 1896, *Concord, N. H.*
Deacon, Charles Frederick, A.B. (*Brown Univ.*) 1896, *Pawtucket, R.I.*
Derby, George Strong, A.B. 1896, *Boston.*
Dunn, Charles Hunter, A.B. 1896, *Newport, R. I.*
Eastman, Alexander Crane, A.B. (*Amherst Coll.*) 1896, *Framingham.*
Emerson, Robert Leonard, A.B. 1894, *Cambridge.*
Fair, Robert Patrick, *Natick.*
Fisher, Irving Jewell, *Somerville.*
Fletcher, William, *Providence, R. I.*

Fuller, Charles Benjamin, A.B. (*Colby Univ.*) 1896, *Hallowell, Me.*
Gardner, George Warren, A.B. (*Brown Univ.*) 1894, *New London, N. H.*
Glidden, Howard Kenneth, *No. Cambridge.*
Gould, Alfred Henry, A.B. 1896, *Boston.*
Griffin, Walter Alden, A.B. 1897, *Haverhill.*
Hanna, Thomas Francis, A.B. (*Boston Coll.*) 1896, *Natick.*
Hardwick, Everett Vinton, *Quincy.*
Harkins, John Francis, A.B. (*Holy Cross Coll.*) 1896, *Quincy.*
Hartwell, William Winn, A.B. (*Williams Coll.*) 1896, *Woburn.*
Haskell, Harris Bigelow, A.B. (*Amherst Coll.*) 1894, *W. Falmouth, Me.*
Healy, William, *Chicago, Ill.*
Hewitt, William Oakes, *Taunton.*
Hoag, Louis, *Dorchester.*
Holmberg, Carl Lester Magnus, A.B. (*Brown Univ.*) 1896, *Campello.*
Howell, William Wescott, A.B. 1896, *West Roxbury.*
Hunt, George Pratt, *E. Weymouth.*
Jackson, James Marcus, *Brighton.*
Joslin, Samuel Leese, *So. Lyndeboro, N. H.*
Kenealy, Joseph Henry, *Natick.*
King, Maxwell Benedict, *Boston.*
Legg, Arthur Thornton, *Chelsea.*
Lincoln, Merrick, A.B. 1896, *Worcester.*
Lord, Frederick Taylor, A.B. 1897, *Lexington.*
Lowell, Freeman Lamprey, A.B. 1894, *Somerville.*
Lowell, William Holbrook, *Newton.*
McCausland, William James, *Tyne Valley, P. E. I.*
McCormick, Thomas Joseph Henry, A.B. 1897, *Roxbury.*
McHugh, John Francis, *Natick.*
McKechnie, Frederick Joseph, A.B. (*Holy Cross Coll.*) 1896, *Springfield.*
McKibben, William Watson, A.B. 1896, *Van Buren, Ark.*
MacLachlan, Thomas Mitchell, *Brighton.*
McMann, William Henry, A.B. 1896, *Roxbury.*
McNamara, Thomas Francis, A.B. (*Holy Cross Coll.*) 1895, *So. Framingham.*
Maguire, Thomas Henry, *So. Boston.*
Matteson, George Arnold, A.B. (*Brown Univ.*) 1896, *Providence, R. I.*

Mead, Louis Guy, A.B. 1896,	*West Acton.*
Mertins, Paul Stearns, A.B. (*Washington & Lee Univ.*) 1896,	*Evergreen, Ala.*
Mullen, John Henry, A.B., (*Boston Coll.*) 1896,	*Waltham.*
Murphy, Stephen Nicholas,	*Danversport.*
Myer, James Walter,	*New York, N. Y.*
Myers, Solomon,	*East Boston.*
Norton, Chauncey Williams, A.B. 1896, A.M. 1897,	*Cazenovia, N. Y.*
O'Shea, Daniel Joseph,	*East Boston.*
Parker, Edward Stark, A.B. (*Brown Univ.*) 1896,	*Providence, R. I.*
Perkins, Herbert Crawford,	*Lowell.*
Rich, Edwin Willis,	*Winthrop.*
Richardson, Oscar,	*Boston.*
Rogers, Daniel Eastman,	*Chelsea.*
Sanford, Henry Lindsay, A.B. 1896,	*Bridgewater.*
Scannell, David Daniel, A.B. 1897,	*Jamaica Plain.*
Scott, George Dow, S.B. (*Middlebury Coll.*) 1895, A.B. 1896,	*Newton Centre.*
Shepard, Luther Dimmick, Jr., A.B. 1896,	*Brookline.*
Small, Albert Ernest, A.B. 1896,	*Melrose.*
Smith, Howard Harry, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Cambridge.*
Steele, Albert Edward,	*Peabody.*
Sullivan, John Joseph,	*So. Boston.*
Sullivan, Michael Henry,	*Newport, R. I.*
Taylor, James, Jr.,	*Southbridge.*
Thomas, Miner Raymond, A.B. (*Amherst Coll.*) 1878,	*Boston.*
Thompson, Ralph Leroy, A.B. (*Bates Coll.*) 1896,	*Lisbon, Me.*
Tobey, Edward Nelson, A.B., 1896,	*Cambridge.*
Townsend, David, A.B. 1896,	*So. Natick.*
Vejux-Tyrode, Maurice Paul Octave,	*Boston.*
Vogel, George Louis,	*Boston.*
Wadsworth, Richard Goodwin, A.B. 1896,	*Boston.*
Ward, John Thomas,	*Providence, R. I.*
Warren, Alva Harding,	*Rockland.*
Warren, Henry Stanley,	*Bangor, Me.*
Warren, John, A.B. 1896,	*Boston.*
White, Clifford Allen, A.B. 1896,	*Taunton.*
Winslow, Fred Bradlee, A.B., A.M., 1895,	*Boston.*
Wyer, Harry Gage, A.B. 1896,	*Woburn.*
Yardumian, Manong Garabet,	*Boston.*

SECOND CLASS.

Adams, John Dresser,	*E. Boston.*
Alden, Eliot, A.B. 1897,	*Washington, D. C.*
Allen, Horatio Cushing, A.B. (*Brown Univ.*) 1897,	*Marion.*
Allison, Nathaniel,	*St. Louis, Mo.*
Barrett, Michael Francis, A.B. 1897,	*Hingham.*
Bartley, John Joseph,	*Lawrence.*
Beering, Frederick William, Jr.,	*Jamaica Plain.*
Bergengren, Charles Henry,	*Lynn.*
Binney, Horace, A.B. 1897,	*Middletown, Conn.*
Bond, Walter Legrand,	*Chelsea.*
Boos, William Frederick, A.B. 1894, PH.D. (*Heidelberg*) 1896,	*Jamaica Plain.*
Bowman, Alfred Winthrop,	*Jamaica Plain.*
Brady, James Francis,	*Canning, N. S.*
Bragg, Leslie Raymond, S.B. (*Amherst Coll.*) 1897,	*Reading.*
Breed, Nathaniel Pope, A.B. 1898,	*Lynn.*
Bremer, John Lewis, A.B. 1896,	*Boston.*
Brewer, Albert David, A.B. (*Iowa Coll.*) 1895,	*Grinnell, Ia.*
Brinckerhoff, Walter Remsen, S.B. 1897,	*Matteawan, N. Y.*
Burke, Francis Ramon,	*Quincy.*
Burley, Benjamin Thomas, A.B. 1897,	*North Epping, N. H.*
Burnham, Joseph Forrest,	*Lawrence.*
Casey, Jeremiah Aloysius,	*So. Boston.*
Caulfield, Thomas Edward,	*Woburn.*
Chase, Arthur Alverdo,	*Woburn.*
Chase, Henry Melville, Jr., S.B. (*Dartmouth Coll.*) 1897,	*Lawrence.*
Cheever, David, A.B. 1897,	*Boston.*
Childs, Alfred Henry, A.B. 1897,	*Deerfield.*
Cholerton, Herbert,	*Bridgewater.*
Churchill, John Darling, 2d,	*Plymouth.*
Clark, Franklin Edward,	*Brookline.*
Clark, Thomas Francis,	*Taunton.*
Crane, Bayard Taylor,	*Melrose.*
Cummings, Morton Everett,	*W. Medford.*
Cunningham, John Henry, Jr.,	*Chelsea.*
Cutter, Arthur Hardy, S.B. (*Mass. Agr. Coll.*) 1894,	*Pelham, N. H.*
Davison, Arthur Howard,	*Dorchester.*

van Deusen, Herman True,	*Somerville.*
Doyle, John Francis,	*Waltham.*
Dutton, Richard, A.B. 1898,	*Wakefield.*
Dwinell, William Grout,	*Malden.*
Emerson, Benjamin Kendall, Jr., A.B. (*Amherst Coll.*) 1897,	*Amherst.*
Evans, Albert,	*Laconia, N. H.*
Field, Martin Thomas,	*Beverly.*
Flagg, Elisha, A.B. 1887,	*Boston.*
Gale, Harold Adams, A.B. 1898,	*Belmont.*
Gay, Herbert Seymour,	*Belchertown.*
Gibson, Robert Francis,	*Dorchester.*
Gleason, George Hathaway,	*Dorchester.*
Goodwin, Charles Wilson, B.P. (*Brown Univ.*) 1897,	*Providence, R. I.*
Grady, Henry Matthew,	*So. Natick.*
Gray, Hugh Barr,	*Boston.*
Griffiths, Albert Farnsworth,	*Lexington.*
Hapgood, Lyman Sawin, A.B. 1897,	*Gloucester.*
Hatch, George Coggeshall, Jr., B.P. (*Brown Univ.*) 1897,	*New Bedford.*
Hawkes, Charles Eleazer, A.B. 1898,	*Portland, Me.*
Herbst, Philip Frank,	*Kansas City, Mo.*
Hess, Peter William,	*Malden.*
Holmes, Howard Fowler, S.B. 1898,	*Georgetown.*
Howard, Perez Briggs,	*Brookline.*
Hoyt, Robert Eustis,	*Portsmouth, N. H.*
Hoyt, William Welles,	*Cambridge.*
Hutchinson, Walter Perkins, A.B. 1889,	*Abington.*
Jackson, Howard Bigelow, A.B., 1897,	*Concord.*
Johnston, Frederic William, A.B. 1897,	*New York, N. Y.*
Jones, Frank Joseph,	*Worcester.*
Jones, Harold Wellington,	*Cambridge.*
Kane, John Austin,	*Charlestown.*
Kelley, Walter Henry,	*Dorchester.*
Kennedy, Arthur Lemuel,	*Denver, Col.*
Knickerbocker, Percy Gates,	*Gloversville, N. Y.*
Knight, Charles Lewis,	*Deer Isle, Me.*
Knight, Frank Henry,	*Malden.*
Knight, Herbert Granville,	*Malden.*
Kurth, Gustav Emil,	*New Britain, Conn.*
Leahey, Frederick Andrew,	*Lowell.*
Leary, Chrysostom John,	*Waltham.*

Leen, Thomas Francis, A.B. 1898,	*Charlestown.*
Lepper, David Barnard,	*Madison, N. H.*
Lewis, Frederic Thomas, A.M. 1898,	*Cambridge.*
Little, John Mason, Jr., A.B. 1897,	*Boston.*
Locke, Edwin Allen, PH.B. 1896, A.M. (*Brown Univ.*) 1897,	*Whitman.*
McBain, William Hearst, A.B. (*Holy Cross Coll.*) 1895,	*Haverhill.*
McDonald, Samuel James, A.B. 1897,	*Brighton.*
Mahony, Francis Ronan,	*Roxbury.*
Maloney, William Valentine,	*Roxbury.*
Mansfield, Walter Ralph,	*Boston.*
Mason, Nathaniel Robert, A.B. (*Yale Univ.*) 1897,	*No. Conway, N. H.*
Mayhew, Orland Smith,	*No. Tisbury.*
Mooring, Scott Webber,	*Gloucester.*
Morse, John Hinckley, A.B. (*Bowdoin Coll.*) 1897,	*Bath, Me.*
Moxom, Philip Wilfrid Travis,	*Springfield.*
Mulherin, William Anthony, A.B. (*St. Joseph's Coll.*) 1891,	*Augusta, Ga.*
Murphy, Fred Towsley, A.B. (*Yale Univ.*) 1897,	*Junction City, Kans.*
Myers, Edward Everett,	*Boston.*
Nolan, William Francis,	*Jamaica Plain.*
Nolen, Walter Freeman,	*Tacoma, Wash.*
Ober, Ralph Beverley,	*Chicopee.*
O'Connell, Joseph Cyril,	*Wakefield.*
O'Day, George Frederick, A.B. (*Holy Cross Coll.*) 1896,	*Worcester.*
O'Donnell, James Coughlin, A.B. (*Holy Cross Coll.*) 1892,	*Boston.*
O'Leary, Dennis Cornelius, A.B. (*Holy Cross Coll.*) 1896,	*Providence, R. I.*
O'Shea, John Francis, A.B. (*Holy Cross Coll.*) 1895,	*Newport, R. I.*
Packard, Frederick Henry, A.B. 1898,	*Woburn.*
Parker, Harry Caldwell,	*Dubuque, Ia.*
Pond, Bernard Wesley, A.B. (*Yale Univ.*) 1897,	*Unionville, Conn.*
Pratt, Frederick Haven, A.B. 1896,	*Worcester.*
Priest, Herbert Bancroft, A.B. 1897,	*Littleton.*
Putnam, Frank Wendell, S.B. (*Tufts Coll.*) 1897,	*Charlestown.*
Putnam, Ralph, A.B. 1898,	*Chelsea.*
Ramsey, Frank William,	*Charlestown.*

Reed, William Edward,	*Saxonville.*
Riley, William Norton,	*Malden.*
Robertson, Frederick McNaughton,	*So. Framingham.*
Robinson, Harry Pringle,	*Plattsburgh, N. Y.*
Robinson, Louis Sydney Bassford, A.B. 1897,	*Cambridge.*
Sanborn, George Phippen,	*Brookline.*
Sanders, Nathan Edwin, A.B. (*Iowa Coll.*) 1893,	*Grinnell, Ia.*
Schallenbach, Ernest Bradford,	*Dorchester.*
Sever, James Warren,	*Cambridge.*
Shannon, James Herbert, A.B. 1897,	*Cambridge.*
Shaw, Frederick King,	*Roxbury.*
Shead, Edward Wadsworth,	*Eastport, Me.*
Silva, Frank Rudolph, A.B. (*Amherst Coll.*) 1897,	*So. Dennis.*
Sise, Lincoln Fleetford, A.B. 1897,	*Medford.*
Slate, Ames Wilsworth,	*Springfield.*
Sleeper, Frank Warren, A.B. (*Brown Univ.*) 1895, A.M. (*Ibid.*) 1896,	*Franklin Falls, N. H.*
Smith, Appleton White, A.B. (*Colby Univ.*) 1887,	*Newton Centre.*
Smith, Harold Wellington,	*Dorchester.*
Southard, Elmer Ernest, A.B. 1897,	*So. Boston.*
Spalding, Roger,	*Cambridge.*
Sproules, Joseph Aloysius, A.B. (*Georgetown Univ.*) 1895,	*Boston.*
Taylor, Frederick Leon, S.B. (*Boston Univ.*) 1890,	*Brookline.*
Tozier, Charles Herman, S.B. 1898,	*Somerville.*
Tupper, Arthur Gordon,	*Rockport.*
Underhill, Samuel Graham, A.B. 1898,	*Somerville.*
Van Magness, Benjamin, Jr.,	*Chelsea.*
Walker, Wallis Dunlap, A.B. 1897,	*Portsmouth, N. H.*
Waterman, John Slater,	*E. Greenwich, R. I.*
Webster, Fred Patterson,	*Charlestown.*
Winchester, George Wesley,	*Boston.*
Woese, Alfred Millard,	*Syracuse, N. Y.*
Wood, Nathaniel Knight, A.B. 1897,	*Somerville.*
Young, Ralph Randal,	*Dorchester.*

FIRST CLASS.

Allendorf, John Aloysius,	*Charlestown.*
Almy, Robert Lawton, Jr.,	*Salem.*
Andrews, John Henry, A.B. (*Boston Univ.*) 1898,	*Lynn.*
Ascher, Joseph,	*Boston.*
Bail, John Warren,	*Newton Highlands.*
Bain, John Baxter,	*Lawrence.*
Baker, George Lorimer,	*Boston.*
Barnes, Allan Foster, A.B. 1898,	*Cambridge.*
Barrows, Albert Armington, PH.B. (*Brown Univ.*) 1898,	*Providence, R. I.*
Bartlett, Walter Oscar,	*Natick.*
Belding, John Eastman, PH.B. (*Yale Univ.*) 1895,	*Springfield.*
Belknap, James Lyman, B.S (*Dartmouth Coll.*) 1898,	*Andover.*
Bellamy, William Woolsey,	*Dorchester.*
Benner, Richard Stanwood,	*Waldoboro, Me.*
Berry, Martin Whitten, A.B. (*Williams Coll.*) 1895,	*Boston.*
Bibber, Harold Thornton,	*Cambridge.*
Bickford, Eugene Aloysius, A.B. (*Holy Cross Coll.*) 1896,	*Roxbury.*
Blatchford, Francis Wickes,	*Chicago, Ill.*
Bowditch, Henry Ingersoll, A.B. 1898,	*Albany, N. Y.*
Bowen, William Henry, Jr.,	*Providence, R. I.*
Bradley, Charles Henderson,	*Newton.*
Buckley, William Stephen,	*Newburyport.*
Bufford, John Henry,	*Dorchester.*
Buffum, William Henry, A.B. (*Brown Univ.*) 1898,	*Providence, R. I.*
Bulkeley, Frank Stedman,	*Ayer.*
Burdett, Harold Corthell,	*Hingham.*
Burnham, Parker,	*Gloucester.*
Butterfield, William Jenkins,	*Andover.*
Campbell, Franklin Edward,	*Manchester, N. H.*
Cassidy, Frederick Matthew,	*Fitchburg.*
Closson, Leon Monroe, A.B. 1897,	*Lawrence.*
Connor, Peter Joseph,	*Roxbury.*
Cort, Parker Martain,	*Utica, N. Y.*
Cragin, Donald Brett,	*Farmington, Me.*
Crocker, Louis Allen, PH.B. (*Brown Univ.*) 1898,	*Brewster.*
Cushing, Harry Howard,	*Cambridge.*
Daignault, Godfrey,	*Woonsocket, R. I.*

Dennett, Roger Herbert, B.S. (*St. Lawrence Univ.*) 1898, *Waverley.*
DeNormandie, Robert Laurent, A.B. 1898, *Roxbury.*
Dickinson, John Walker, *Watertown.*
Dillingham, William Edward, *New Bedford.*
Dixon, Patrick Joseph Harkins, A.B. (*Holy Cross Coll.*) 1895, *Holyoke.*
Donaldson, James Frank, A.B. (*Tufts Coll.*) 1898, *Salem.*
Donlon, James Walter, *Natick.*
Doray, Frank Leslie, *Worcester.*
Dore, Francis James, A.B. (*Boston Coll.*) 1898, *Roxbury.*
Dowd, Thomas Patrick, *Natick.*
Drake, Richard Alvin, *W. Medford.*
Ellis, Robert Hale, *Braintree.*
Emmons, Arthur Brewster, A.B. 1898, *Brookline.*
Evans, Miner Harlow Amos, Jr., *Sharon.*
Feiss, Henry Otto, A.B., 1898, *Cleveland, O.*
Feldstein, Samuel, *Uniontown, Pa.*
Ferguson, John Burnham, A.B. (*Brown Univ.*) 1898, *Providence, R. I.*
Furrer, Arnold Frotcham, *Boston.*
Gafney, Harry Dabol, *Petersham.*
Gardner, Archibald Robert, *Lowell.*
Garland, Frederick Eugene, A.B. 1898, *Gardner.*
Gay, Fritz Walter, A.B. 1898, *Malden.*
George, Frank William, *Bristol, N. H.*
Glass, James, *E. Boston.*
Goodall, Harry Winfred, A.B. (*Dartmouth Coll.*) 1898, *Exeter, N. H.*
Goodridge, Frederick James, A.B. 1898, *Cambridge.*
Granger, Frank Butler, *Randolph.*
Greene, Willard Charles, *Milwaukee, Wis.*
Greenwood, Arthur Moses, A.B. (*Brown Univ.*) 1898, *Ashburnham.*
Gushee, Edward Stockbridge, A.B. (*Brown Univ.*) 1898, *Cambridge.*
Hamilton, Robert De Lancey, A.B. (*Yale Coll.*) 1897, *Newburyport.*
Hammond, Roland, Jr., A.B. (*Tufts Coll.*) 1898, *Campello.*
Haselton, George Irving, *Manchester, N. H.*
Hathaway, George Stimpson, *Boston.*
Hathaway, Russell, Jr., B.P. (*Brown Univ.*) 1897, *Fairhaven.*
Hearn, Walter Lawrence, *Lynn.*
Hecht, Simon Elias, A.B. 1898, *Boston.*

Heffernan, David Aloysius,	*Somerville.*
Henderson, Lawrence Joseph, A.B. 1898,	*Salem.*
Henry, James Edward Francis,	*Providence, R. I.*
Hill, Prescott Spalding,	*Newton.*
Hodges, Stoughton Fletcher,	*Indianapolis, Ind.*
Hoey, Warren Henry,	*Natick.*
Hollister, Robert Russell, A.B. 1897,	*White Hall, N. Y.*
Holmes, Arthur Brewster, A.B. 1896,	*Kingston.*
Hooker, Stuart Van Rensselaer, A.B. (*Rollins Coll.*) 1893,	*Newton Highlands.*
Hopkinson, Albert Edmund,	*Brattleboro, Vt.*
Howard, Hartwell Carver, Jr.,	*Champaign, Ill.*
Hunt, Ernest Leroi,	*No. Abington.*
Irving, John James,	*Gloucester.*
Jackson, George Henry,	*Plymouth.*
Johnson, Erik St. John, A.B. 1898,	*Weymouth.*
Keene, Charles Herbert, A.B. 1898,	*Allston.*
Kilbourn, Arthur Goss,	*So. Lancaster.*
Knowles, Robert Keneborough Black, A.B. (*Acadia Coll.*) 1897,	*Liverpool, N. S.*
Lang, Herbert Bowman, A.B. (*Brown Univ.*) 1896,	*Cambridge.*
Lentine, Gaspare Emmanuel,	*Boston.*
Lilley, Albert Henry,	*New Bedford.*
Little, George Thomas,	*Groton.*
Lynch, Cornelius Joseph, A.B. (*Holy Cross Coll.*) 1898,	*Milford.*
McCoy, George Madison, Jr.,	*Auburndale.*
MacLachlan, Robert Fulton,	*Brighton.*
McPherson, Ross, A.B. 1898,	*Cambridge.*
Maguire, Thomas Joseph,	*Natick.*
Mahon, Edward,	*Ottumwa, Ia.*
Mahoney, Francis Xavier, M.D.V. 1892,	*Boston.*
Merrick, Charles Irving, A.B. 1894,	*Holyoke.*
Mills, Lloyd Hunter,	*No. Haven, Me.*
Miskell, Thomas Lawrence,	*Brookline.*
Mitchell, John Joseph,	*Charlestown.*
Moore, George Colton, A.B. (*Yale Coll.*) 1898,	*E. Hartland, Conn.*
Morrill, Francis Xavier,	*Fitchburg.*
Mulherin, Joseph Lewis, B.S. (*St. Joseph's Coll.*) 1892,	*Augusta, Ga.*
Murphy, Arthur Sterling,	*St. Stephen, N. B.*
Murphy, Patrick William, A.B. (*Boston Coll.*) 1898,	*Canton.*

Myers, Samuel William,	*Boston.*
Neilsen, John Land,	*Boston.*
Nelligan, John Patrick,	*No. Cambridge.*
Nute, Albert James,	*Winthrop.*
O'Brien, Charles Thomas, A.B. (*Boston Coll.*) 1898,	*Woburn.*
O'Neill, Bernard Joseph, Jr.,	*Dubuque, Ia.*
O'Neill, Harry Joseph, A.B. (*Villanova Coll.*) 1898,	*Boston.*
O'Shea, Richard Joseph, A.B. (*Gonzaga Coll.*) 1897,	*Spokane, Wash.*
Palfrey, Francis Winslow, A.B. 1898,	*Belmont.*
Pappenheimer, Alwin Max, A.B. 1898,	*New York, N. Y.*
Perlman, Jacques Morris,	*Boston.*
Plunkett, Harold Brabazon,	*Lowell.*
Prescott, Henry Dudley, A.B. 1898,	*New Bedford.*
Quinby, William Carter,	*Worcester.*
Regan, Frank Alfred,	*Natick.*
Rice, Alexander Hamilton, A.B. 1898,	*Boston.*
Rice, Robert Astley, B.S. (*Amherst Coll.*) 1898,	*Fitchburg.*
Richardson, Frank Lindon,	*Concord.*
Roberts, Albert Joseph,	*Weston.*
Roberts, William Frederick, A.B. 1898,	*Roxbury.*
Robbins, Michael Uriah,	*Newton.*
Robinson, Samuel, A.B. 1898,	*Boston.*
Rollins, Edwin Theodore,	*Newtonville.*
Ross, Wayland,	*Boston.*
Sennott, John Ralph,	*Cambridgeport.*
Shanahan, Edmund Francis, A.B. (*Holy Cross Coll.*) 1898,	*So. Groveland.*
Shean, Maurice Edwin,	*Belmont.*
Sherman, William Anthony,	*Newport, R. I.*
Sibley, Hartwell Astor,	*Dorchester.*
Sims, Frederick Robertson,	*Melrose.*
Small, Ernest Winfield,	*Foxborough.*
Snow, Frank Whipple,	*Newburyport.*
Somers, Pierce Edward,	*Portland, Me.*
Stearns, Robert Thomas, A.B. 1898,	*Jamaica Plain.*
Stratton, Ralph Ricker, A.B. (*Boston Univ.*) 1898,	*E. Boston.*
Stubbs, Richard Henry, A.B. (*Bowdoin Coll.*) 1898,	*Strong, Me.*
Thomas, Raphael Clarke, A.B. 1896,	*Newton Centre.*
Thompson, Charles Edward,	*Malden.*
Thompson, Frederick Henry, Jr., A.B. 1898,	*Fitchburg.*
Thorndike, Townsend William,	*Boston.*

Tilley, Frank William, A.B. (*Bucknell Univ.*) 1898,	*Hyde Park.*
Torbert, James Rockwell, PH.B. (*Yale Univ.*) 1895,	*Dubuque, Ia.*
Tyzzer, Ernest Edward, B.P. (*Brown Univ.*) 1897, A.M. (*ibid.*) 1898,	*Wakefield.*
Vincent, Beth, A.B. 1898,	*Fort Dodge, Ia.*
Waldstein, Robert Edward,	*Boston.*
Walker, William Emrich, A.B. (*Amherst Coll.*) 1898,	*Yarmouth.*
Walling, Charles Herald, B.P. (*Brown Univ.*) 1895,	*Providence, R. I.*
Ward, Edward Silvanus, S.B. (*Amherst Coll.*) 1898,	*Brookfield.*
White, Arthur Joseph, A.B. (*Boston Coll.*) 1898,	*Dorchester.*
Whitford, Robert Atwood, A.B. 1898,	*Waltham.*
Wilson, Louis Thornton,	*Worcester.*
Winslow, Benjamin Sabert,	*New Bedford.*
Wynne, Richard,	*Montreal, Can.*

SUMMARY.

In Courses for Graduates, 1898–99 (to Oct. 14) . .	14
Fourth Class	108
Third Class	116
Second Class	143
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Total	546

In Courses for Graduates 1897–98 after publication of Catalogue for 1897–98	41
In Summer Courses, 1898	107

STUDENTS IN SUMMER COURSES, 1898.

Adams, Carl Shadiker,	*Newtonville.*
Albertson, Frank,	*Worcester.*
Allendorf, John Aloysius,	*Charlestown.*
Annis, Ai Stillman, M.D. (*Hahnneman Coll., Chicago*) 1895,	*Rochester, N. H.*
Atwood, Charles Fenner, A.B. 1896,	*Newtonville.*
Bacon, Newton Samuel, A.B. 1893,	*Boston.*
Baker, George Lorimer,	*Dorchester.*
Barber, Marshall Albert, A.M. 1894,	*Lawrence, Kans.*
Barnes, Lynn Moore, A.B. 1896,	*Decatur, Ill.*
Bartlett, Samuel Danforth,	*Woburn.*
Bartol, Edward Francis Washburn, A.B. 1896,	*Lancaster.*
Bellamy, William Woolsey,	*Dorchester.*
Bettman, Milton, A.B. 1897,	*Cincinnati, O.*
Bicknell, Ralph Emerson,	*No. Weymouth.*
Billings, Frederick Horatio, A.M. 1897,	*Cambridge.*
Binford, Ferdinand Augustus,	*Pawtucket, R. I.*
Blakeslee, Walter Herbert, A.B. (*Amherst Coll.*) 1897,	*Coatesville, Pa.*
Brehaut, William Albert,	*Boston.*
Brown, Lawrason, A.B. (*Johns Hopkins*) 1895,	*Baltimore, Md.*
Brown, Percy Emerson,	*Cambridge.*
Bryant, Charles Sawyer, A.B. 1896,	*Newton Highlands.*
Butterfield, William Jenkins,	*Andover.*
Canfield, Ralph Metcalfe, M.D. (*Univ. of Vt.*) 1882, L.R.C.P. (*London*) 1885,	*Boston.*
Carroll, Thomas Francis,	*Roxbury.*
Chase, Walter Greenough, A.B. 1882,	*Brookline.*
Chittenden, Arthur Smith, A.B. (*Yale Univ.*) 1896,	*Binghamton, N. Y.*
Cobb, Henry Willis,	*Mansfield.*
Collins, George Leman, A.B. 1896,	*Dorchester.*
Connolly, John Matthew, A.B. (*Holy Cross Coll.*) 1890, A.M. (*Ibid.*) 1892,	*Cambridge.*
Cross, Rupert Calladon,	*Chelsea.*
Davidson, Kallman Moyer, M.D. (*Univ. of Königsberg*) 1887,	*Boston.*

Delano, Charles Wesley,	*Boston.*
Dewis, John William, M.D. 1894,	*Boston.*
Dowd, Thomas Francis,	*So. Natick.*
Drake, Richard Alvin,	*West Medford.*
Eastman, Alexander Crane, A.B. (*Amherst Coll.*) 1896,	*Framingham.*
Eldridge, David Gorham, Jr., M.D. 1886,	*Dorchester.*
Emerson, Charles Phillips, A.B. (*Amherst Coll.*) 1894,	*Methuen.*
Evans, Reuben Osgood,	*Malden.*
Foss, John William, M.D. (*Am. Health Univ.*) 1894,	*Boston.*
Gafney, Harvey Dabol,	*Petersham.*
Gaylord, William Avery,	*Pawtucket, R. I.*
Grant, James Skiffington, M.D. (*Univ. of Mich.*) 1889,	*Cochin, China.*
Greene, Charles Lyman, M.D. (*Univ. of Minn.*) 1890,	*St. Paul, Minn.*
Griffin, Truman Merrill, M.D. (*Univ. of New York*) 1883,	*Pittsfield, Me.*
Hall, Charles Henry, D.V.S. (*Am. Vet. Coll.*) 1877, M.D. (*Univ. of the City of New York*) 1881,	*Boston.*
Hall, James Frank, A.B. 1897,	*Lowell.*
Harlow, George Arthur, M.D. 1893,	*Boston.*
Hathaway, George Stimpson,	*Boston.*
Herzog, Maximilian Joseph, M.D. (*Ohio Med. Coll.*) 1890,	*Chicago, Ill.*
Hill, Prescott Spalding,	*Dorchester.*
Hinckley, James William, M.D. (*Tufts Coll.*) 1898,	*Boston.*
Holmberg, Carl Lester Magnus, A.B. (*Brown Univ.*) 1896,	*Campello.*
Hogner, Richard, M.D. (*Karolinska Institut, Sweden*) 1884,	*Wellesley Hills.*
Hooker, Stuart Van Rensselaer, A.B. (*Rollins Coll.*) 1893,	*Boston.*
Hopkins, William Thorpe, M.D. (*Boston Univ.*) 1890,	*Lynn.*
Howard, Alonzo Gale, M.D. (*Boston Univ.*) 1895,	*West Roxbury.*
Howell, William Westcott, A.B. 1896,	*Jamaica Plain.*
Jewett, Walter Kendall, A.B. (*Brown Univ.*) 1891, M.D. 1895,	*Belmont.*
Jones, Gilbert Norris, A.B. 1884, M.D. 1888,	*Wellesley Hills.*
Kyes, Preston, A.B. (*Bowdoin Coll.*) 1896,	*North Jay, Me.*

Lang, Herbert Bowman, A.B. (*Brown Univ.*) 1896, *Cambridge.*
Leary, Timothy, M.D. 1895, *Boston.*
Lepper, David Barnard, *Madison, N. H.*
Lincoln, Merrick, A.B. 1896, *Worcester.*
Lord, Sidney Archer, M.D. 1894, *Boston.*
Low, Harry Chamberlain, A.B. 1893, *Salem.*
Lowney, John Francis, *Fall River.*
Marston, Joseph Norris, *Lowell.*
McCormick, Thomas Joseph Henry, A.B. 1897, *Roxbury.*
McLaughlin, Henry Valentine, L.R.C.S. (*Edinburgh*) *Brookline.*
McPherson, Ross, A.B. 1898, *Cambridge.*
Mead, Louis Guy, A.B. 1896, *West Acton.*
Mitchell, John Joseph, *Charlestown.*
Moore, James Herbert, M.D. (*N. Y. Homeopathic Med. Coll.*) 1884, *Brookline.*
Moser, Albert, A.B. (*Oberlin Coll.*) 1892, *Lima, O.*
Murphy, Arthur Sterling, *Cambridge.*
Nason, Osmon Cleander Baker, A.M. (*Brown Univ.*) 1885, M.D. (*Boston Univ.*) 1891, *Reading.*
Newton, Edward Roswell, M.D.V. 1895, M.D. 1898, *Hartford, Conn.*
Northrop, Clarence Clark, M.D. (*Dartmouth Med. School*) 1898, *Clinton.*
Norton, Chauncey Williams, A.B. 1896, A.M. 1897, *Cazenovia, N. Y.*
Ober, Ralph Beverly, *Salem.*
Pigott, Thomas Edmond, M.D. (*Tufts Coll. Med. School*) 1897, *Winthrop.*
Pritchard, William Percival, *Fall River.*
Rand, Richard Foster, PH.B. (*Yale Univ.*) 1895, *Meriden, Conn.*
Rice, Robert Astley, B.S. (*Amherst Coll.*) 1898, *Fitchburg.*
Rice, Walter Henry, M.D. (*Tufts Coll Med. School*) 1896, *Waltham.*
Rich, Edwin Willis, *Walnut Hill.*
Rourke, Joseph Edward, A.B. 1890, M.D. 1894, *Boston.*
Sampson, John Albertson, A.B. (*Williams Coll.*) 1895, *Troy, N. Y.*
Scannell, David Daniel, A.B. 1897, *Jamaica Plain.*
Scott, George Dow, B.S. (*Middlebury Coll.*) 1895, A.B. 1896, *Leominster.*
Shanahan, Thomas Joseph, M.D. 1896, *Brookline.*
Silver, David, *Wellsville, O.*
Smith, John Small, M.D. (*Louisville Med. Coll.*) 1896, *Revere.*
Steensland, Halbert Severin, B.S. (*Univ. of Wis.*) 1895, *Madison, Wis.*

Talbot, George Henry, M.D. (*Boston Univ. Med. School*) 1882, *Newtonville.*
Thomas, Raphael Clarke, A.B. 1896, *Newton Centre.*
Tupper, Arthur Gordon, *Rockport.*
Wadsworth, Richard Goodwin, A.B. 1896, *Boston.*
Waldstein, Ralph Edward, *Boston.*
Warren, Henry Stanley, *Bangor, Me.*
Welch, Curtis Wade, M.D. (*Univ. of So. California*) 1898, *Los Angeles, Calif.*
Williams, Charles Crosby, PH.G. (*Mass. Coll. of Pharm.*) 1882, M.D. 1896, *Boston.*
Williams, William Herbert, *Cleveland, O.*
Wilson, Bryce Aughterson, *Pawtucket, R. I.*
Winslow, George Edgar, *Boston.*